

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2006, 10:53:42 ; Search time 20.668 Seconds
(without alignment)
984,042 Million cell updates/sec

Title: US-09-250-056b-1

Sequence: 1 QVQLVSGGGLVPGSSLR.....YDSSLSGHWGGRKLTVLG 246

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: /cgn2_6/ptodata/1/aa/5_COMB.pep:*
2: /cgn2_6/ptodata/1/aa/6_COMB.pep:*
3: /cgn2_6/ptodata/1/aa/8_COMB.pep:*
4: /cgn2_6/ptodata/1/aa/PCITUS_COMB.pep:*
5: /cgn2_6/ptodata/1/aa/RE_COMB.pep:*
6: /cgn2_6/ptodata/1/aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1075.5	82.7	310	2	US-09-079-029-11 Sequence 11, Appl
2	1017.5	78.3	334	2	US-09-646-028-53 Sequence 53, Appl
3	1017.5	78.3	339	2	US-09-646-028-55 Sequence 55, Appl
4	1017.5	78.3	348	2	US-09-646-028-51 Sequence 51, Appl
5	892.5	68.7	312	2	US-09-079-029-10 Sequence 10, Appl
6	887	68.2	303	2	US-09-079-029-9 Sequence 9, Appl
7	883.5	68.0	258	1	US-08-646-022-5 Sequence 5, Appl
8	883.5	68.0	258	1	US-08-315-574-5 Sequence 5, Appl
9	878.5	67.6	288	2	US-08-318-247-22 Sequence 22, Appl
10	865	65.8	240	2	US-08-132-854-2 Sequence 2, Appl
11	855	65.8	240	2	US-08-511-939-2 Sequence 2, Appl
12	852.5	65.6	280	2	US-08-260-527-1 Sequence 1, Appl
13	841.5	64.7	281	2	US-09-025-769-178 Sequence 178, Appl
14	841.5	64.7	281	2	US-09-450-070-178 Sequence 178, Appl
15	841.5	64.7	281	2	US-09-450-153-178 Sequence 178, Appl
16	841.5	64.7	281	2	US-09-490-324-178 Sequence 178, Appl
17	827	63.6	268	2	US-09-976-118-1 Sequence 1, Appl
18	819.5	63.0	245	2	US-08-918-148-75 Sequence 75, Appl
19	819.5	63.0	245	2	US-09-138-091A-73 Sequence 73, Appl
20	794.5	61.1	245	2	US-08-918-148-78 Sequence 78, Appl
21	793.5	61.0	245	2	US-09-138-091A-76 Sequence 76, Appl
22	792.5	61.0	245	2	US-08-918-148-76 Sequence 76, Appl
23	792.5	61.0	245	2	US-09-138-091A-74 Sequence 74, Appl
24	791.5	60.9	249	2	US-08-918-148-74 Sequence 74, Appl
25	791.5	60.9	249	2	US-09-138-091A-72 Sequence 72, Appl
26	781	60.1	244	2	US-08-918-148-77 Sequence 77, Appl
27	781	60.1	244	2	US-09-138-091A-75 Sequence 75, Appl

28	768	59.1	236	1	US-08-190-199A-65	Sequence 65, Appl
29	768	59.1	244	2	US-08-918-148-79	Sequence 79, Appl
30	768	59.1	244	2	US-09-138-091A-77	Sequence 77, Appl
31	765	58.8	301	1	US-08-661-052-14	Sequence 14, Appl
32	765	58.8	301	2	US-09-188-082-14	Sequence 14, Appl
33	765	58.8	301	2	US-09-364-088-14	Sequence 14, Appl
34	765	58.8	301	2	US-09-102-716-14	Sequence 14, Appl
35	765	58.8	301	2	US-08-661-052-16	Sequence 16, Appl
36	765	58.8	553	2	US-09-188-082-16	Sequence 16, Appl
37	765	58.8	553	2	US-09-364-088-16	Sequence 16, Appl
38	765	58.8	553	2	US-08-477-48B-148	Sequence 148, Appl
39	756	58.2	240	1	US-08-956-047-25	Sequence 25, Appl
40	747	57.5	255	2	US-09-553-498-8	Sequence 8, Appl
41	747	57.5	255	2	US-08-488-113B-148	Sequence 148, Appl
42	740.5	57.0	240	1	US-08-477-48B-148	Sequence 148, Appl
43	740.5	57.0	240	1	US-08-646-360-148	Sequence 148, Appl
44	740.5	57.0	240	1	US-08-646-360-148	Sequence 148, Appl
45	740.5	57.0	240	2	US-08-835-765-148	Sequence 148, Appl

ALIGNMENTS

RESULT 1
US-09-079-029-11
Sequence 11, Application US/09079029
Patent No. 6342369
GENERAL INFORMATION:
APPLICANT: Adams, Camilla W.
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Chuntcharapai, Man
APPLICANT: Kim, Kyung J.
TITLE OF INVENTION: Apo-2 Receptor
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/079, 029
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Marchand, Diane L.
REGISTRATION NUMBER: 5,600
REFERENCE/DOCKET NUMBER: P101R2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/423-5416
FAX: 650/952-9681
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 310 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-079-029-11
Query Match 82.7%; Score 1075.5; DB 2; Length 310;
Best Local Similarity 84.6%; Pred. No. 2.4e-75;
Matches 208; Conservative 11; Mismatches 26; Indels 1; Gaps 1;
QY 1 QVQLVSGGGLVPGSSLR.....YDSSLSGHWGGRKLTVLG 60
DB 40 QVQLVSGGGLVPGSSLR.....YDSSLSGHWGGRKLTVLG 99
QY 61 ADVKGRFTISRDSKNTLYLQMSLRAEDTAIVYCAKMTSNAFAFDYQGQTLVTSSG 120

```
Db 100 ADVKGRFTISRNSKNTLYLQNNSLRAEDTAVYYCAR-DRGYYMDVWKGKGLTVTVSSG 158
      |||
Qy 121 GGGSGGGGGGGGGGSGSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPGTAP 180
      |||
Db 159 GGGSGGGGGGGGGGSGSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPGTAP 218
      |||
Qy 181 KLLIYGNTPRSGVPPRFGSGKSGTASLAITGLQAEDEADYYCOFYDSSLGQWVFGCGT 240
      |||
Db 219 KLLIYDNNRPSGVPPRFGSGKSGTASLAITGLQAEDEADYYCOFYDSSLGQWVFGCGT 278
      |||
Qy 241 KLTVLG 246
      |||
Db 279 KLTVLG 284

RESULT 2
US-09-646-028-53
; Sequence 53, Application US/09646028
; Patent No. 6562347
; GENERAL INFORMATION:
; APPLICANT: Kwak, Larry
; APPLICANT: Biragyn, Arya
; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF
; FILE REFERENCE: 14014.0316/P
; CURRENT APPLICATION NUMBER: US/09/646,028
; PRIOR FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: 60/077,745
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 53
; LENGTH: 334
; TYPE: PR
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of artificial sequence:/note=synthetic construct
US-09-646-028-53

Query Match 78.3%; Score 1017.5; DB 2; Length 334;
Best Local Similarity 79.8%; Pred. No. 7.6e-71;
Matches 198; Conservative 13; Mismatches 34; Indels 3; Gaps 2;

Qy 1 QVOLVSGGGGLVPGGSLRLSCAAGTFRSYAMSWRQAPGKLEWVSAISGRGNTYY 60
      |||
Db 80 EVQLLESGGGLVQGGSLRLSCVAGLITFSSAITWRQAPGKLEWVSGISFGDTTY 139
      |||
Qy 61 ADVKGRFTISRNSKNTLYLQNNSLRAEDTAVYYCAKMTSNAFADYWGQGLTVTVSS- 119
      |||
Db 140 ADVKGRFASRSDNSKNTLYLQNNLNPDTAVYFCANNQGNFCLDNMGGTLTVTVSSR 199
      |||
Qy 120 GGGSGGGGGGGGGG--GSGSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPG 177
      |||
Db 200 GGGSGGGGGGGGGGSGSVLTQPPSVSAAPGQRTVITCTGSSSNIGAGYGVHWYQKPE 259
      |||
Qy 178 TAPKLLIYGNTPRSGVPPRFGSGKSGTASLAITGLQAEDEADYYCOFYDSSLGQWVFG 237
      |||
Db 260 TAPKLLIYNNRPSGVPPRFGSGKSGTASLAITGLQLEDEGTYCCQCNDSLSGWLFG 319
      |||
Qy 238 GGTGLTVL 245
      |||
Db 320 GGTGLTVL 327

RESULT 3
US-09-646-028-55
; Sequence 55, Application US/09646028
; Patent No. 6562347
; GENERAL INFORMATION:
; APPLICANT: Kwak, Larry
; APPLICANT: Biragyn, Arya
; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF
```

```
; TITLE OF INVENTION: CHEMOKINE-TUMOR ANTIGEN FUSION PROTEINS AS CANCER VACCINES
; FILE REFERENCE: 14014.0316/P
; CURRENT APPLICATION NUMBER: US/09/646,028
; CURRENT FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: 60/077,745
; PRIOR FILING DATE: 1998-03-12
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 55
; LENGTH: 339
; TYPE: PR
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of artificial sequence:/note=synthetic construct
US-09-646-028-55

Query Match 78.3%; Score 1017.5; DB 2; Length 339;
Best Local Similarity 79.8%; Pred. No. 7.7e-71;
Matches 198; Conservative 13; Mismatches 34; Indels 3; Gaps 2;

Qy 1 QVOLVSGGGGLVPGGSLRLSCAAGTFRSYAMSWRQAPGKLEWVSAISGRGNTYY 60
      |||
Db 85 EVQLLESGGGLVQGGSLRLSCVAGLITFSSAITWRQAPGKLEWVSGISFGDTTY 144
      |||
Qy 61 ADVKGRFTISRNSKNTLYLQNNSLRAEDTAVYYCAKMTSNAFADYWGQGLTVTVSS- 119
      |||
Db 145 ADVKGRFASRSDNSKNTLYLQNNLNPDTAVYFCANNQGNFCLDNMGGTLTVTVSSR 204
      |||
Qy 120 GGGSGGGGGGGGGG--GSGSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPG 177
      |||
Db 205 GGGSGGGGGGGGGGSGSVLTQPPSVSAAPGQRTVITCTGSSSNIGAGYGVHWYQKPE 264
      |||
Qy 178 TAPKLLIYGNTPRSGVPPRFGSGKSGTASLAITGLQAEDEADYYCOFYDSSLGQWVFG 237
      |||
Db 265 TAPKLLIYNNRPSGVPPRFGSGKSGTASLAITGLQLEDEGTYCCQCNDSLSGWLFG 324
      |||
Qy 238 GGTGLTVL 245
      |||
Db 325 GGTGLTVL 332

RESULT 4
US-09-646-028-51
; Sequence 51, Application US/09646028
; Patent No. 6562347
; GENERAL INFORMATION:
; APPLICANT: Kwak, Larry
; APPLICANT: Biragyn, Arya
; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF
; FILE REFERENCE: 14014.0316/P
; CURRENT APPLICATION NUMBER: US/09/646,028
; PRIOR FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: 60/077,745
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 51
; LENGTH: 348
; TYPE: PR
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of artificial sequence:/note=synthetic construct
US-09-646-028-51

Query Match 78.3%; Score 1017.5; DB 2; Length 348;
Best Local Similarity 79.8%; Pred. No. 8e-71;
Matches 198; Conservative 13; Mismatches 34; Indels 3; Gaps 2;

Qy 1 QVOLVSGGGGLVPGGSLRLSCAAGTFRSYAMSWRQAPGKLEWVSAISGRGNTYY 60
      |||
Db 94 EVQLLESGGGLVQGGSLRLSCVAGLITFSSAITWRQAPGKLEWVSGISFGDTTY 153
      |||
```

```

QY 61 ADSVKGRFTISDNRKNTLYLQNNSLRAEDTAVVYCAKMTSNAPFDYWGQGLTVVSS- 119
DB 154 ADVVKRFPASBDSNKNVLYLQNNLRLPNDTAVYFANNQTNFCIDMVGGLTVVSSR 213
QY 120 GGGGSGGGSGGG--GSGSVLTOPPSVGA PGORVITISCTGSSNNIGAGYVHWYQOLPG 177
DB 214 GGGGSGGGSGGGSGGSSVLTOPPSVGA PGORVITISCTGSSNNIGAGYVHWYQOLPFE 273
QY 178 TAPKLLIYGNTRPSPGVDRFSGFGSGTASLAITGLQADEADYCOFYDSSLGWFVG 237
DB 274 TAPKLLIYGNTRPSPGVDRFSGFGSGTASLAITGLQADEADYCOFYDSSLGWFVG 333
QY 238 GGTGKLTVL 245
DB 334 GGTGKLTVL 341

RESULT 5
US-09-079-029-10
; Sequence 10, Application US/09079029
; Patent No. 6342369
; GENERAL INFORMATION:
; APPLICANT: Adams, Camilla W.
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Chuntharapai, Anan
; APPLICANT: Kim, Kyung J.
; TITLE OF INVENTION: Apo-2 Receptor
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079,029
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Marschang, Diane L.
; REGISTRATION NUMBER: 35,600
; REFERENCE/DOCKET NUMBER: P1101R2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/952-9881
; TELEFAX: 650/952-5416
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 312 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-09-079-029-10

Query Match 68.7%; Score 892.5; DB 2; Length 312;
Best Local Similarity 72.8%; Pred. No. 3e-61;
Matches 182; Conservative 13; Mismatches 46; Indels 9; Gaps 3;

```

```

QY 177 GAPKLLIYGNTRPSPGVDRFSGFGSGTASLAITGLQADEADYCOFYDSSLGWFVG 236
DB 217 GAPKLLIYGNTRPSPGVDRFSGFGSGTASLAITGLQADEADYCOFYDSSLGWFVG 276
QY 237 GGTGKLTVL 246
DB 277 GGTGKLTVL 286

RESULT 6
US-09-079-029-9
; Sequence 9, Application US/09079029
; Patent No. 6342369
; GENERAL INFORMATION:
; APPLICANT: Adams, Camilla W.
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Chuntharapai, Anan
; APPLICANT: Kim, Kyung J.
; TITLE OF INVENTION: Apo-2 Receptor
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079,029
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Marschang, Diane L.
; REGISTRATION NUMBER: 35,600
; REFERENCE/DOCKET NUMBER: P1101R2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/952-9881
; TELEFAX: 650/952-5416
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 309 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-09-079-029-9

Query Match 68.2%; Score 887; DB 2; Length 309;
Best Local Similarity 71.8%; Pred. No. 7.9e-61;
Matches 178; Conservative 17; Mismatches 47; Indels 6; Gaps 3;

```

Db 276 GTKLTVLG 283

```
RESULT 7
US-08-665-202-5
; Sequence 5, Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061410
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 258 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-665-202-5
```

```
Query Match 68.0%; Score 883.5; DB 1; Length 258;
Best Local Similarity 67.6%; Pred. No. 1.2e-60;
Matches 173; Conservative 31; Mismatches 41; Indels 11; Gaps 3;

Qy 1 QVQLVESGGGLVQPGGSLRLISCAASGFTFSRYAMSWVRQAPGKLEWVSATISGRGNTYY 60
Db 1 QVQLVQSGAELEKRGESLIKISCKSGYSFTSYIAVWRQMPGKLEWVGLIYPDSDTKY 60
Qy 61 ADSVKGRFTTISRDNKNTLYLQNMSLRAEDTAVYYCAK-----MTSNAPF-----FDYWG 110
Db 61 SPSPFGQVTTISVDKSVSTAYLQWMSLKPDSAVYFCARHDVGYCSSSNCAKMPDYFQHWG 120
Qy 111 QGTLVTVSSGGGSGGGGSGGGSGSVLTQPPSVSAGPGRVITISCTGSSSNIGANNV-VS 179
Db 121 QGTLVTVSSGGGSGGGGSGGGSGSVLTQPPSVSAAFGQKVTITSCSSSSNIGANNV-VS 179
Qy 171 WYQOLPETAAPKLLIYGNTNRPSPGVDRFSFGKSGTSASLAITGLQAEDEADYYCOFYDSS 230
Db 180 WYQOLPETAAPKLLIYGHTNRPAGVDRFSGKSGTSASLAISGRSDEADYYCAAMDSS 239
Qy 231 LSGWVFGGGLTVLG 246
Db 240 LSGWVFGGGLTVLG 255
```

```
RESULT 8
US-09-315-574-5
; Sequence 5, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Majestic, Parsons, Siebert & Haue P. C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 258 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-315-574-5
```

```
Query Match 68.0%; Score 883.5; DB 2; Length 258;
Best Local Similarity 67.6%; Pred. No. 1.2e-60;
Matches 173; Conservative 31; Mismatches 41; Indels 11; Gaps 3;

Qy 1 QVQLVESGGGLVQPGGSLRLISCAASGFTFSRYAMSWVRQAPGKLEWVSATISGRGNTYY 60
Db 1 QVQLVQSGAELEKRGESLIKISCKSGYSFTSYIAVWRQMPGKLEWVGLIYGDSDTKY 60
Qy 61 ADSVKGRFTTISRDNKNTLYLQNMSLRAEDTAVYYCAK-----MTSNAPF-----FDYWG 110
Db 61 SPSPFGQVTTISVDKSVSTAYLQWMSLKPDSAVYFCARHDVGYCSSSNCAKMPDYFQHWG 120
Qy 111 QGTLVTVSSGGGSGGGGSGGGSGSVLTQPPSVSAGPGRVITISCTGSSSNIGAGYGVH 170
Db 121 QGTLVTVSSGGGSGGGGSGGGSGSVLTQPPSVSAAFGQKVTITSCSSSSNIGANNV-VS 179
Qy 171 WYQOLPETAAPKLLIYGNTNRPSPGVDRFSFGKSGTSASLAITGLQAEDEADYYCOFYDSS 230
Db 180 WYQOLPETAAPKLLIYGHTNRPAGVDRFSGKSGTSASLAISGRSDEADYYCAAMDSS 239
Qy 231 LSGWVFGGGLTVLG 246
```

Db 240 LSGMVGCGTKLTVLG 255

RESULT 9

US-09-818-247-22

Sequence 22, Application US/09818247

Patent No. 6855810

GENERAL INFORMATION:

APPLICANT: Mostov, Keith E.

APPLICANT: Chapman, Steven J.

APPLICANT: Richman-Eisenstat, Janice

TITLE OF INVENTION: The Regents of the University of California

TITLE OF INVENTION: Ligands Directed to the No. 6855810-Secretory Component,

FILE REFERENCE: 18062E-000910US

CURRENT APPLICATION NUMBER: US/09/818, 247

PRIOR FILING DATE: 2001-03-26

PRIOR APPLICATION NUMBER: WO PCT/US01/09699

PRIOR FILING DATE: 2000-03-27

PRIOR APPLICATION NUMBER: US 60/192,198

PRIOR FILING DATE: 2000-03-27

NUMBER OF SEQ ID NOS: 26

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 22

LENGTH: 288

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial

OTHER INFORMATION: Sequence:peib/4AF/myc/6HIS

US-09-818-247-22

Query Match

Best Local Similarity 72.8%; Pred. No. 3.3e-60;

Matches 179; Conservative 18; Mismatches 42; Indels 7; Gaps 4;

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSRYAMSWVRQAPGKLEWVSATISGSDNTYY 60

Db 23 QVQLVSGGGLVQPGGSLRLSCAASGFTFSRYAMSWVRQAPGKLEWVSATISGSDNTYY 82

QY 61 ADSVGRFTISRDNKNTLYIQMNSLRADPTAVYYCAK-MTNAFAFDYWGQGLTVTVSS 119

Db 83 ADSVGRFTISRDNKNTLYIQMNSLRADPTAVYYCAK-MTNAFAFDYWGQGLTVTVSS 142

QY 120 GGGSGGGSGGGSGGSSQSVLTQPPS-VSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPQT 178

Db 143 GGGSGGGSGGGSGGSEIVLTQSPETLSAIDGVITITCAAE---GIHWLAWYQQRK 199

QY 179 APRLLIYGNTRPFGVDPDRSGFKSGTASLAITGLQADEADYICQFYDSSLSGWFVG 238

Db 200 APRLLIYKASLSASVPSRFGSGSGDTFTLTISLQPEDFATYICQHYDSTPP--TFQ 257

QY 239 GTKLTV 244

Db 258 GTKVDI 263

RESULT 10

US-09-192-854-2

Sequence 2, Application US/09192854

Patent No. 6696245

GENERAL INFORMATION:

APPLICANT: Winter, Greg

APPLICANT: Tomlinson, Ian

TITLE OF INVENTION: Methods for Selecting Functional Peptides

FILE REFERENCE: 3789/72916

CURRENT APPLICATION NUMBER: US/09/192,854

CURRENT FILING DATE: 1998-11-17

EARLIER APPLICATION NUMBER: 60/066,729

EARLIER FILING DATE: 1997-11-21

NUMBER OF SEQ ID NOS: 212

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 2

LENGTH: 240

TYPE: PRT

ORGANISM: Homo sapiens

US-09-192-854-2

Query Match

Best Local Similarity 72.0%; Pred. No. 1.7e-58;

Matches 177; Conservative 18; Mismatches 41; Indels 10; Gaps 6;

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSRYAMSWVRQAPGKLEWVSATISGSDNTYY 60

Db 1 EVQLLESGGGLVQPGGSLRLSCAASGFTFSRYAMSWVRQAPGKLEWVSATISGSDNTYY 60

QY 61 ADSVGRFTISRDNKNTLYIQMNSLRADPTAVYYCAK-MTNAFAFDYWGQGLTVTVSSG 120

Db 61 ADSVGRFTISRDNKNTLYIQMNSLRADPTAVYYCAK-MTNAFAFDYWGQGLTVTVSSG 117

QY 121 GGGSGGGSGGGSGGSSQSV-LTQ-PPSVGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPQT 178

Db 118 GGGSGGGSGGGSGGSDTDLTQSPETLSASVDKRVITITCAAE--STY-LAWYQQRK 174

QY 179 APRLLIYGNTRPFGVDPDRSGFKSGTASLAITGLQADEADYICQFYDSSLSGWFVG 238

Db 175 APRLLIYKASLSASVPSRFGSGSGDTFTLTISLQPEDFATYICQ--QSYSTPNTFQ 232

QY 239 GTKLTV 244

Db 233 GTKVDI 238

RESULT 11

US-09-511-939-2

Sequence 2, Application US/09511939

Patent No. 6846634

GENERAL INFORMATION:

APPLICANT: Tomlinson, Ian M

APPLICANT: Winter, Gregory

TITLE OF INVENTION: Method to Screen Phage Display Libraries with Different Ligands

FILE REFERENCE: 8039/1070

CURRENT APPLICATION NUMBER: US/09/511,939

CURRENT FILING DATE: 2002-04-10

PRIOR APPLICATION NUMBER: GB 9722131.1

PRIOR FILING DATE: 1997-10-20

PRIOR APPLICATION NUMBER: US 60/065,248

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: US 60/066,729

PRIOR FILING DATE: 1997-11-21

PRIOR APPLICATION NUMBER: PCT/GB98/03135

NUMBER OF SEQ ID NOS: 350

SOFTWARE: PatentIn version 3.1

SEQ ID NO 2

LENGTH: 240

TYPE: PRT

ORGANISM: Homo sapiens

US-09-511-939-2

Query Match

Best Local Similarity 65.8%; Score 855; DB 2; Length 240;

Matches 177; Conservative 18; Mismatches 41; Indels 10; Gaps 6;

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSRYAMSWVRQAPGKLEWVSATISGSDNTYY 60

Db 1 EVQLLESGGGLVQPGGSLRLSCAASGFTFSRYAMSWVRQAPGKLEWVSATISGSDNTYY 60

QY 61 ADSVGRFTISRDNKNTLYIQMNSLRADPTAVYYCAK-MTNAFAFDYWGQGLTVTVSSG 120

Db 61 ADSVGRFTISRDNKNTLYIQMNSLRADPTAVYYCAK-MTNAFAFDYWGQGLTVTVSSG 117

QY 121 GGGSGGGSGGGSGGSSQSV-LTQ-PPSVGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPQT 178

CORRESPONDENCE ADDRESS:
ADDRESSEE: Colin G. Sandercock, Esq. c/o Heller Ehrman
White & McAuliffe
STREET: 1666 K Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/490,070A
FILING DATE: 24-Jan-2000
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: EP 95 11 3021.0
FILING DATE: 18-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: Colin G. Sandercock, Esq.
REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 37629-0005
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 912-2000
TELEFAX: (202) 912-2020
INFORMATION FOR SEQ ID NO: 178:
SEQUENCE CHARACTERISTICS:
LENGTH: 281 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 178:
US-09-490-070A-178
Query Match 64.7%; Score 841.5; DB 2; Length 281;
Best Local Similarity 68.8%; Pred. No. 2,3e-57;
Matches 174; Conservative 23; Mismatches 45; Indels 11; Gaps 6;
QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMSWVRQAPGKLEWVSATISGSGDNTYY 60
DB 26 EVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMSWVRQAPGKLEWVSATISGSGSTYY 85
QY 61 ADSVKGRTISRDNKNTLYLQWNSLRADPTAVYYCAKMTSNAF-APDYWGQGLTVVS- 118
DB 86 ADSVKGRTISRDNKNTLYLQWNSLRADPTAVYYCAKMGDGFYAMDYWGQGLTVVS 145
QY 119 -----SGGGSGGGSGGGSGGSSQSYLTQPP-SVSGAPGQRTISCTGSSNIGA-CYG-VHM 171
DB 146 AGGSGGGSGGGSGGGSGGSDIYWTQSPSLPVTGEPASISCRSSQSLHNSGNYLDM 205
QY 172 YQQLFGTAPKLLIYGNTNRPGVDPDFSGFKSGTSASLAITGLQAEADYVYQGFYDSL 231
DB 206 YLQKFGQSPQLLIYLSNRASGVDPDFSGSGSDITFLKISRVAEDVGVYIQQGHYTP 265
QY 232 SGWVFGGFTKLTIV 244
DB 266 P--TFQGQTKVEI 276
RESULT 15
US-09-490-153-178
; Sequence 178, Application US/09490153
; Patent No. 6706484
; GENERAL INFORMATION:
; APPLICANT: Knappik, Achim
; Pack, Peter
; Ilag, Vic
; Ge, Iaming
; Moroney, Simon
; Plueckthun, Andreas
; TITLE OF INVENTION: Protein/(Poly)peptide libraries
; NUMBER OF SEQUENCES: 373

CORRESPONDENCE ADDRESS:
ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10021
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/490,153
FILING DATE: 24-Jan-2000
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: EP 95 11 3021.0
FILING DATE: 18-FEB-1998
FILING DATE: 18-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: James F. Haley, Jr., Esq.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: MORPHO/5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)596-9000
TELEFAX: (212)596-9090
INFORMATION FOR SEQ ID NO: 178:
SEQUENCE CHARACTERISTICS:
LENGTH: 281 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 178:
US-09-490-153-178
Query Match 64.7%; Score 841.5; DB 2; Length 281;
Best Local Similarity 68.8%; Pred. No. 2,3e-57;
Matches 174; Conservative 23; Mismatches 45; Indels 11; Gaps 6;
QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMSWVRQAPGKLEWVSATISGSGDNTYY 60
DB 26 EVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMSWVRQAPGKLEWVSATISGSGSTYY 85
QY 61 ADSVKGRTISRDNKNTLYLQWNSLRADPTAVYYCAKMTSNAF-APDYWGQGLTVVS- 118
DB 86 ADSVKGRTISRDNKNTLYLQWNSLRADPTAVYYCAKMGDGFYAMDYWGQGLTVVS 145
QY 119 -----SGGGSGGGSGGGSGGSSQSYLTQPP-SVSGAPGQRTISCTGSSNIGA-CYG-VHM 171
DB 146 AGGSGGGSGGGSGGGSGGSDIYWTQSPSLPVTGEPASISCRSSQSLHNSGNYLDM 205
QY 172 YQQLFGTAPKLLIYGNTNRPGVDPDFSGFKSGTSASLAITGLQAEADYVYQGFYDSL 231
DB 206 YLQKFGQSPQLLIYLSNRASGVDPDFSGSGSDITFLKISRVAEDVGVYIQQGHYTP 265
QY 232 SGWVFGGFTKLTIV 244
DB 266 P--TFQGQTKVEI 276
Search completed: March 17, 2006, 10:54:40
Job time : 21.668 secs

This Page Blank (uspto)

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2006, 11:08:22 ; Search time 111.406 Seconds
(Without alignments)
922.628 Million cell updates/sec

Title: US-09-250-056b-1

Sequence: 1 QVQVLSGGGLVPGGSLRL.....YDSLSGWFPGGRTKLTVLG 246

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 41782326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA_Main*

1: /cgn2_6/pdata/1/puppa/US07_PUBCOMB.pep.*

2: /cgn2_6/pdata/1/puppa/US08_PUBCOMB.pep.*

3: /cgn2_6/pdata/1/puppa/US09_PUBCOMB.pep.*

4: /cgn2_6/pdata/1/puppa/US10_PUBCOMB.pep.*

5: /cgn2_6/pdata/1/puppa/US10B_PUBCOMB.pep.*

6: /cgn2_6/pdata/1/puppa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1300	100.0	246	US-10-855-755-1	Sequence 1, Appl1
2	1292	99.4	291	US-10-406-830-1	Sequence 1, Appl1
3	1292	99.4	291	US-10-406-830-2	Sequence 2, Appl1
4	1135.5	87.3	245	US-10-779-461-59	Sequence 59, Appl1
5	1132.5	87.1	251	US-10-800-197-15	Sequence 15, Appl1
6	1125.5	86.6	247	US-09-880-748-1892	Sequence 1892, Ap
7	1125.5	86.6	247	US-10-293-418-1892	Sequence 1892, Ap
8	1121.5	86.3	258	US-10-688-925-20	Sequence 20, Appl1
9	1115	85.8	248	US-11-017-030-51	Sequence 51, Appl1
10	1113.5	85.7	247	US-09-880-748-1978	Sequence 1978, Ap
11	1113.5	85.7	247	US-10-293-418-1978	Sequence 1978, Ap
12	1110.5	85.4	249	US-11-090-847-132	Sequence 132, App
13	1110.5	85.4	253	US-11-090-847-148	Sequence 148, App
14	1108	85.2	248	US-11-017-030-4	Sequence 4, Appl1
15	1096.5	84.3	258	US-10-688-925-8	Sequence 8, Appl1
16	1092.5	84.0	247	US-09-880-748-1953	Sequence 1953, Ap
17	1092.5	84.0	247	US-10-293-418-1953	Sequence 1953, Ap
18	1092.5	84.0	249	US-11-017-030-54	Sequence 54, Appl1
19	1092.5	84.0	252	US-09-880-748-1519	Sequence 1519, Ap
20	1092	84.0	252	US-10-293-418-1519	Sequence 1519, Ap
21	1089	83.8	245	US-11-021-438-25	Sequence 25, Appl1
22	1089	83.8	245	US-11-021-438-27	Sequence 27, Appl1
23	1084	83.4	238	US-10-779-461-1	Sequence 1, Appl1
24	1081	83.2	252	US-09-880-748-1362	Sequence 1362, Ap
25	1081	83.2	252	US-10-293-418-1362	Sequence 1362, Ap
26	1080	83.1	258	US-09-880-748-1841	Sequence 1841, Ap
27	1080	83.1	258	US-10-293-418-1841	Sequence 1841, Ap

28	1078	82.9	256	US-11-090-847-140	Sequence 140, App
29	1076.5	82.8	243	US-09-880-748-1969	Sequence 1969, Ap
30	1076.5	82.8	243	US-10-293-418-1969	Sequence 1969, Ap
31	1075.5	82.7	310	US-10-052-798-11	Sequence 11, Appl1
32	1075.5	82.7	310	US-10-288-917-11	Sequence 11, Appl1
33	1075.5	82.7	310	US-10-423-448-11	Sequence 11, Appl1
34	1072	82.5	250	US-11-090-847-136	Sequence 136, App
35	1069	82.2	252	US-09-880-748-1201	Sequence 1201, Ap
36	1069	82.2	252	US-10-293-418-1201	Sequence 1201, Ap
37	1065.5	82.0	262	US-10-688-925-2	Sequence 2, Appl1
38	1062	81.7	250	US-09-880-748-1420	Sequence 1420, Ap
39	1059.5	81.5	253	US-10-120-414-76	Sequence 76, Appl1
40	1059.5	81.5	253	US-10-992-195-76	Sequence 76, Appl1
41	1059.5	81.5	246	US-10-120-414-80	Sequence 80, Appl1
42	1056	81.2	246	US-10-992-195-80	Sequence 80, Appl1
43	1054.5	81.1	255	US-11-090-847-139	Sequence 139, App
44	1054.5	81.1	255	US-11-090-847-139	Sequence 139, App
45	1053.5	81.0	243	US-10-779-461-46	Sequence 46, Appl1

ALIGNMENTS

RESULT 1
US-10-855-755-1
Sequence 1, Application US/10855755
Publication NO. US20050237339A1
GENERAL INFORMATION
APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
APPLICANT: Matis, James D
APPLICANT: Poul, Marie A
APPLICANT: Becerra, Balazs
TYPE OF INVENTION: METHODS OF SELECTING INTERNALIZING ANTIBODIES
FILE REFERENCE: 4070-650110US
CURRENT APPLICATION NUMBER: US/10/855, 755
PRIORITY FILING DATE: 2004-05-26
PRIORITY APPLICATION NUMBER: US 60/082, 953
PRIORITY FILING DATE: 1998-04-24
NUMBER OF SEQ IDS: 4
SOFTWARE: Patentin version 3.2
SEQ ID NO 1
LENGTH: 246
TYPE: PRT
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Human phage display antibody
FEATURE:
NAME/KEY: SITE
LOCATION: (31)..(35)
OTHER INFORMATION: VH-CDR1
FEATURE:
NAME/KEY: SITE
LOCATION: (50)..(66)
OTHER INFORMATION: VH-CDR2
FEATURE:
NAME/KEY: SITE
LOCATION: (99)..(108)
OTHER INFORMATION: VH-CDR3
FEATURE:
NAME/KEY: SITE
LOCATION: (157)..(170)
OTHER INFORMATION: VL-CDR1
FEATURE:
NAME/KEY: SITE
LOCATION: (186)..(192)
OTHER INFORMATION: VL-CDR2
FEATURE:
NAME/KEY: SITE
LOCATION: (225)..(235)
OTHER INFORMATION: VL-CDR3
US-10-855-755-1
Query Match 100.0%; Score 1300; DB 5; Length 246;

Best Local Similarity 100.0%; Pred. No. 1e-80;
Matches 246; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 QVOLVESGGGLVOPGSGSLRLSCAAGTFFRSYAMSWROAPGKLEWVAISGRGNTYY 60
DB 1 QVOLVESGGGLVOPGSGSLRLSCAAGTFFRSYAMSWROAPGKLEWVAISGRGNTYY 60
QY 61 ADVSKRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAPFDYWGQGLTVTVSSG 120
DB 61 ADVSKRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAPFDYWGQGLTVTVSSG 120
QY 121 GGGSGGGSGGGSGSVLTQPPSVSGAPGQRTVISTGSSSNTGAGYGVHWYQQLPGTAP 180
DB 121 GGGSGGGSGGGSGSVLTQPPSVSGAPGQRTVISTGSSSNTGAGYGVHWYQQLPGTAP 180
QY 181 KLLIYGNTRNPSGVPRFSGFKSGTASLAITGLQADEADYYCQFYDSSLGWFVGGGT 240
DB 181 KLLIYGNTRNPSGVPRFSGFKSGTASLAITGLQADEADYYCQFYDSSLGWFVGGGT 240
QY 241 KLTVLG 246
DB 241 KLTVLG 246
```

RESULT 2

US-10-406-830-1

```
Sequence 1, Application US/10406830
Publication No. US20040071696A1
GENERAL INFORMATION:
APPLICANT: ADAMS, GREGORY P.
APPLICANT: HORAK, EVA M.
APPLICANT: WEINER, LOUIS M.
APPLICANT: JAMES, MARKS D.
TITLE OF INVENTION: BISPECIFIC SINGLE CHAIN Fv ANTIBODY MOLECULES AND METHODS OF USE
FILE REFERENCE: 407T-000410US
CURRENT APPLICATION NUMBER: US/10/406, 830
CURRENT FILING DATE: 2003-04-04
PRIOR APPLICATION NUMBER: US 60/370, 276
PRIOR FILING DATE: 2002-04-05
NUMBER OF SEQ ID NOS: 37
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1
LENGTH: 291
TYPE: PRT
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Synthetic antibody.
```

Query Match 99.4%; Score 1292; DB 4; Length 291;
Best Local Similarity 99.6%; Pred. No. 4.2e-80;
Matches 245; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
QY 1 QVOLVESGGGLVOPGSGSLRLSCAAGTFFRSYAMSWROAPGKLEWVAISGRGNTYY 60
DB 23 QVOLVESGGGLVOPGSGSLRLSCAAGTFFRSYAMSWROAPGKLEWVAISGRGNTYY 82
QY 61 ADVSKRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAPFDYWGQGLTVTVSSG 120
DB 61 ADVSKRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAPFDYWGQGLTVTVSSG 142
QY 121 GGGSGGGSGGGSGSVLTQPPSVSGAPGQRTVISTGSSSNTGAGYGVHWYQQLPGTAP 180
DB 143 GGGSGGGSGGGSGSVLTQPPSVSGAPGQRTVISTGSSSNTGAGYGVHWYQQLPGTAP 202
QY 181 KLLIYGNTRNPSGVPRFSGFKSGTASLAITGLQADEADYYCQFYDSSLGWFVGGGT 240
DB 203 KLLIYGNTRNPSGVPRFSGFKSGTASLAITGLQADEADYYCQFYDSSLGWFVGGGT 262
QY 241 KLTVLG 246
DB 263 KLTVLG 268
```

RESULT 3

US-10-406-830-2

```
Sequence 2, Application US/10406830
Publication No. US20040071696A1
GENERAL INFORMATION:
APPLICANT: ADAMS, GREGORY P.
APPLICANT: HORAK, EVA M.
APPLICANT: WEINER, LOUIS M.
APPLICANT: JAMES, MARKS D.
TITLE OF INVENTION: BISPECIFIC SINGLE CHAIN Fv ANTIBODY MOLECULES AND METHODS OF USE
FILE REFERENCE: 407T-000410US
CURRENT APPLICATION NUMBER: US/10/406, 830
CURRENT FILING DATE: 2003-04-04
PRIOR APPLICATION NUMBER: US 60/370, 276
PRIOR FILING DATE: 2002-04-05
NUMBER OF SEQ ID NOS: 37
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2
LENGTH: 291
TYPE: PRT
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Synthetic antibody.
```

Query Match 99.4%; Score 1292; DB 4; Length 291;
Best Local Similarity 99.6%; Pred. No. 4.2e-80;
Matches 245; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
QY 1 QVOLVESGGGLVOPGSGSLRLSCAAGTFFRSYAMSWROAPGKLEWVAISGRGNTYY 60
DB 23 QVOLVESGGGLVOPGSGSLRLSCAAGTFFRSYAMSWROAPGKLEWVAISGRGNTYY 82
QY 61 ADVSKRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAPFDYWGQGLTVTVSSG 120
DB 61 ADVSKRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAPFDYWGQGLTVTVSSG 142
QY 121 GGGSGGGSGGGSGSVLTQPPSVSGAPGQRTVISTGSSSNTGAGYGVHWYQQLPGTAP 180
DB 143 GGGSGGGSGGGSGSVLTQPPSVSGAPGQRTVISTGSSSNTGAGYGVHWYQQLPGTAP 202
QY 181 KLLIYGNTRNPSGVPRFSGFKSGTASLAITGLQADEADYYCQFYDSSLGWFVGGGT 240
DB 203 KLLIYGNTRNPSGVPRFSGFKSGTASLAITGLQADEADYYCQFYDSSLGWFVGGGT 262
QY 241 KLTVLG 246
DB 263 KLTVLG 268
```

RESULT 4

US-10-779-461-59

```
Sequence 59, Application US/10779461
Publication No. US2004016544A1
GENERAL INFORMATION:
APPLICANT: Morton, Philip A
TITLE OF INVENTION: ANTIBODIES TO C-MET FOR THE TREATMENT OF CANCERS
FILE REFERENCE: 00980/1
CURRENT APPLICATION NUMBER: US/10/779, 461
CURRENT FILING DATE: 2004-02-13
PRIOR APPLICATION NUMBER: 60/447, 073
PRIOR FILING DATE: 2003-02-13
NUMBER OF SEQ ID NOS: 161
SOFTWARE: PatentIn version 3.2
SEQ ID NO 59
LENGTH: 245
TYPE: PRT
ORGANISM: artificial
FEATURE:
OTHER INFORMATION: phage display generated human antibody
```

US-10-779-461-59

Query Match	87.3%;	Score 1135.5;	DB 4;	Length 245
Best Local Similarity	88.7%;	Pred. No. 1.6e-69;		
Matches 219; Conservative	10;	Mismatches 15;	Indels 3;	

QY	1	QVQLVSGGGLVOPGSGLRISCAASGTFPSYMSVWVRA	PGKGLIEWSAISGKGDTTYY	60
	:	:	:	
Db	1	EVQLLESGGGLVIRPGGSLRISCAASGTFPSYMSVWVRA	PGKGLIEWSAISGSGSTYY	60
QY	61	ADSYVGRFPTISNDNSKNTLYLQNNLSLRADPTAAYYYCAKWTNSA	FAFDYWGCGTLYVYSSG	120
	:	:	:	
Db	61	ADSYVGRFPTISNDNSKNTLYLQNNLSLRADPTAAYYYCAK--	DRRGYLDPMGCGMTVYSSG	118
QY	121	GGSGSGGGSGGGGSG--GSVLTQPPVSSA	PCQQRITISCGSSSNIGAGCGMYWQQLPGRA	179
Db	119	GGSGSGGGSGGGGSGASQSVLTQPPVSSAPCQQRITISCTGSSSNIGAGIDVMTYQHLPGRA		178
QY	180	PKLLLYGNTMNPSCGVPRPFGSGFGSGTASALATNGQADPEDADYYQ	PFDSLSLGMVGGG	239
	:	:	:	
Db	179	PKLLLYGNSNRPSCGVPRPFGSGSGTASALATISGLQADEADYYIQ	SDYSSLSLDMVFGG	238
QY	240	TKLTVLG	246	
	:	:	:	
Db	239	TKVTVLG	245	

RESULT 5

US-10-800-197-15
; Sequence 15, Application US/10800197
; Publication No. US20040202655A1
GENERAL INFORMATION

```

/ GENERAL INFORMATION:
/ APPLICANT: Merton, Philip A et al.
/ TITLE OF INVENTION: ANTIBODIES TO IGF-I RECEPTOR FOR THE TREATMENT OF CANCERS
/ FILE REFERENCE: 01343/1
/ CURRENT APPLICATION NUMBER: US/10/800,197
/ CURRENT FILING DATE: 2004-03-12
/ PRIOR APPLICATION NUMBER: 60/455,094
/ PRIOR FILING DATE: 2003-03-14
/ NUMBER OF SEQ ID NOS: 157
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO. 15
/ LENGTH: 251
/ TYPE: prt
/ ORGANISM: artificial
/ FEATURE:
/ OTHER INFORMATION: phase display generated antibody
/ IS-10-800-197-15

```

Query Match	87.1%;	Score 1132.5;	DB 4;	Length 251;
Best Local Similarity	86.9%;	Pred. No. 2.5e-69;		
Matches 218;	Conservative 13;	Mismatches 15;	Indels 5;	

Qy	1	YVQLVESGGGLVPGGSLRLSCAASGFFPRFYSAMSWROAPGKGLIEWYSAISGKGDITY	60
	:	: : : : : : : : : : :	:
Db	1	EVQLVESGGGLVPGGSLRLSCAASGFFPRFYSAMSWROAPGKGLIEWYSAISGSGSTYY	60
Qy	61	ADSVKSGFTTISRNSTKNTLYLQMSLRLREDYAVYYCAKMT---SNAFAPDYWGCTLT	116
Db	61	ADSVKSGFTTISRNSTKNTLYLQMSLRLREDYAVYYCARSPVPMADWYTFYDMRGKMT	120
Qy	117	VSSGGSGSGSGSGSGSGS--SVLTAPPPVSGAPEGQRTTISCSSSNIGAGYGHVWYQQL	175
	:	: : : : : : : : : :	:
Db	121	VSSGGSGSGSGSGSGSGSQAVALTPSSVSAPFQRTTISCSSSNIGAGYDHWYQQL	180
Qy	176	PGTAPKLLYIGNNNRSGYPDRFSGKSGTSASALITGLQAEDEADYYCGFTDSSLGWT	235
	:	: : : : : : : : : :	:
Db	181	PGTAPKLLYIGNNNRSGVPDRFSGSNGTSASALITGLQAEDEADYYCGSTIDNLSGSV	240
Qy	236	FGGGTKLTVLG	246
Db	241	FGGGTKTVLG	251

RESULT 6
US-09-880-748-1892

; Sequence 1892, Application US/09880748
; Publication No. US20030059937A1

```

? GENERAL INFORMATION:
? APPLICANT: Riden et al.
? TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blyss
? FILE REFERENCE: P9323
? PUBLICATION NUMBER: US/09/880,748
? CURRENT FILING DATE: 2000-06-15
? PRIOR APPLICATION NUMBER: 60/221,210
? PRIOR FILING DATE: 2000-06-15
? PRIOR APPLICATION NUMBER: 60/240,816
? PRIOR FILING DATE: 2000-10-17
? PRIOR APPLICATION NUMBER: 60/276,248
? PRIOR FILING DATE: 2001-03-16
? PRIOR APPLICATION NUMBER: 60/277,379
? PRIOR FILING DATE: 2001-03-21
? PRIOR APPLICATION NUMBER: 60/293,499
? PRIOR FILING DATE: 2001-05-25
? NUMBER OF SEQ ID NOS: 3239
? SOFTWARE: Patent In Ver. 2.0
? SEQ ID NO 1892
? LENGTH: 247
? TYPE: PRT
? ORGANISM: Homo sapiens
? IS-09-880-748-1892

```

Query Match	86.6%;	Score 1125.5;	DB 3;	Length 247;
Best Local Similarity	87.4%;	Pred. No. 7.5e-69;		
Matches 216;	Conservative 12;	Mismatches 18;	Indels 1;	

QY	1	YVOLVESGGGLVQPGSRLRLSCAASGTFPFSYMSVVRQAPKGLIEWASLASGQDITY	60
Db	1	QVTLKESGGDIVQPGSRLRLSCAASGLTFMSYMTVVRQAPKGLIEWASSISGQDITY	60
QY	61	ADSYKRPFTISPDNSKNTLYLQMSLAPEPTAYYCAKMTSAAPFDYQGGCTLYVSSG	120
Db	61	GDSVWRGFTISPDNSKNTLYLQMSLAPEPTAYYCAKHSTGYAFENNRGCTLYVSSG	120
QY	121	GGSGGGGGSGGGGS-QSYLTQTPPSVSQAPQCRVTISCTGSSSNTGAGYGVHWYQQLPGR	179
Db	121	GGSGGGGGSGGGGSQSYLTQTPPSVSQAPQCRVTISCTGSSSNTGAGYGVHWYQQLPGR	180
QY	180	PKLLIYGNNTNRPSSGVPRDFSGCPKSGTSASLSLATLGLQLEADPDYQCFYDSSLGSMVFGG	239
Db	181	PRLLISNTNRPSSGVPRDFSGSKTSASLSLATLGLQLEADPDYQCSYDSSLGSPVFGT	240
QY	240	TKLTVLG 246	
Db	241	TKVTLVG 247	

RESULT 7

US-10-293-418-1892
; Sequence 1892, Application US/10293418
; Publication No. US20030223996A1

```

1  GENERAL INFORMATION:
2  APPLICANT: Ruben et al.
3  TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blyss
4  FILE REFERENCE: P5232
5  CURRENT APPLICATION NUMBER: US/10/293,418
6  CURRENT FILING DATE: 2002-11-27
7  PRIOR APPLICATION NUMBER: 60/331,469
8  PRIOR FILING DATE: 2001-11-16
9  PRIOR APPLICATION NUMBER: 60/340,817
10 PRIOR FILING DATE: 2001-12-19
11 PRIOR APPLICATION NUMBER: 09/880,748
12 PRIOR FILING DATE: 2001-06-15
13 PRIOR APPLICATION NUMBER: 60/293,499
14 PRIOR FILING DATE: 2001-05-25
15 PRIOR APPLICATION NUMBER: 60/277,379

```

```

; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1892
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-293-418-1892

```

```

Query Match      86.6%; Score 1125.5; DB 4; Length 247;
Best Local Similarity 87.4%; Pred. No. 7.5e-69;
Matches 216; Conservative 12; Mismatches 18; Indels 1; Gaps 1;

```

```

QY 1 QVQLVESGGGLVPGGSLRLSCAASGFTFRSVMWROAPGKGLEWVAISGRGNTYY 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1 QVTLKSGGDLVPGGSLRLSCAASGFTFRSVMWROAPGKGLEWVAISGRGNTYY 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 61 ADSVKGFTISRDNKNTLYLQNMNLSRAEDTAVYYCAKMTSNAPFDYWGQGLTVTVSS 120
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 61 GDSVKGFTISRDNKNTLYLQNMNLSRAEDTAVYYCAKMTSNAPFDYWGQGLTVTVSS 120
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 121 GGGSGGGSGGGSGGGS-QSVLTQPPSVSGAPGQGVYITISCTGSSSNIGAGYGVHWYQQLPGTA 179
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 121 GGGSGGGSGGGSGGGS-QSVLTQPPSVSGAPGQGVYITISCTGSSSNIGAGYGVHWYQQLPGTA 180
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 180 PKLLIYGNTNRPSPGVDPDRPSGFGSGTSASLAITGLQAEDEADYYCQFYDSSLSGWVFGG 239
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 181 PRLLISNTNRPSPGVDPDRPSGFGSGTSASLAITGLQAEDEADYYCQFYDSSLSGFFVFGT 240
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 240 TKLTVLG 246
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 241 TKLTVLG 247
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

RESULT 8
US-10-688-925-20
; Sequence 20, Application US/10688925
; Publication No. US20040142382A1
; GENERAL INFORMATION:
; APPLICANT: Vejdman, Geerttruida et al.
; TITLE OF INVENTION: NEUTRALIZING ANTIBODIES AGAINST GDF 8 AND USES THEREFOR
; FILE REFERENCE: 08702.0020-00000
; CURRENT APPLICATION NUMBER: US/10/688,925
; CURRENT FILING DATE: 2003-10-21
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 20
; LENGTH: 258
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-688-925-20

```

```

Query Match      86.3%; Score 1121.5; DB 4; Length 258;
Best Local Similarity 86.3%; Pred. No. 1.5e-66;
Matches 215; Conservative 13; Mismatches 18; Indels 3; Gaps 2;

```

```

QY 1 QVQLVESGGGLVPGGSLRLSCAASGFTFRSVMWROAPGKGLEWVAISGRGNTYY 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1 EVQLVESGGGLVPGGSLRLSCAASGFTFRSVMWROAPGKGLEWVAISGRGNTYY 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 61 ADSVKGFTISRDNKNTLYLQNMNLSRAEDTAVYYCAK-MTSNAPFDYWGQGLTVTVSS 118
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 61 ADSVKGFTISRDNKNTLYLQNMNLSRAEDTAVYYCAKMGKERSYFDYWGRTLVTVSS 120
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 119 GGGSGGGSGGGSGGGS-QSVLTQPPSVSGAPGQGVYITISCTGSSSNIGAGYGVHWYQQLPG 177
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 121 SGGSGGGSGGGSGGGS-QSVLTQPPSVSGAPGQGVYITISCTGSSSNIGAGYGVHWYQQLPG 180
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

QY 178 TAPKLLIYGNTNRPSPGVDPDRPSGFGSGTSASLAITGLQAEDEADYYCQFYDSSLSGWVFG 237
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 181 TAPKLLIYGNTNRPSPGVDPDRPSGFGSGTSASLAITGLQAEDEADYYCHSYDGSVSGMIFG 240
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 238 GGTKLTVLG 246
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 241 GGTKLTVLG 249
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

RESULT 9
US-11-017-030-51
; Sequence 51, Application US/11017030
; Publication No. US20050158313A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Antibodies that Specifically Bind to Reg IV
; FILE REFERENCE: PF592PCT
; CURRENT APPLICATION NUMBER: US/11/017,030
; CURRENT FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: PCT/US03/19908
; PRIOR FILING DATE: 2003-06-26
; PRIOR APPLICATION NUMBER: 60/392,382
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 51
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: scFv protein RGD0123
US-11-017-030-51

```

```

Query Match      85.8%; Score 1115; DB 6; Length 248;
Best Local Similarity 88.7%; Pred. No. 3.9e-68;
Matches 220; Conservative 7; Mismatches 19; Indels 2; Gaps 2;

```

```

QY 1 QVQLVESGGGLVPGGSLRLSCAASGFTFRSVMWROAPGKGLEWVAISGRGNTYY 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1 EVQLVESGGGLVPGGSLRLSCAASGFTFRSVMWROAPGKGLEWVAISGRGNTYY 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 61 ADSVKGFTISRDNKNTLYLQNMNLSRAEDTAVYYCAKMTSNAPFDYWGQGLTVTVSS 119
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 61 ADSVKGFTISRDNKNTLYLQNMNLSRAEDTAVYYCARVAGSLDADFIDWGQGLTVTVSS 120
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 120 GGGSGGGSGGGSGGGS-QSVLTQPPSVSGAPGQGVYITISCTGSSSNIGAGYGVHWYQQLPGT 178
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 121 GGGSGGGSGGGSGGGS-QSVLTQPPSVSGAPGQGVYITISCTGSSSNIGAGYGVHWYQQLPGT 180
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 179 APKLLIYGNTNRPSPGVDPDRPSGFGSGTSASLAITGLQAEDEADYYCQFYDSSLSGWVFGG 238
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 181 APKLLIYGNTNRPSPGVDPDRPSGFGSGTSASLAITGLQAEDEADYYCQFYDSSLSGSVFGG 240
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 239 GYKLTVLG 246
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 241 GYKLTVLG 248
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

RESULT 10
US-09-880-748-1978
; Sequence 1978, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunoselectively Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248

```



```

1 Publication No. US20050215770A1
2 GENERAL INFORMATION:
3 APPLICANT: Bell, et al.
4 TITLE OF INVENTION: Antibodies Against Nogo Receptor
5 FILE REFERENCE: PR609
6 CURRENT APPLICATION NUMBER: US/11/090,847
7 CURRENT FILING DATE: 2005-03-25
8 PRIOR APPLICATION NUMBER: US 60/556,386
9 PRIOR FILING DATE: 2004-03-26
10 NUMBER OF SEQ ID NOS: 249
11 SOFTWARE: PatentIn version 3.2
12 SEQ ID NO 148
13 LENGTH: 253
14 TYPE: PRT
15 ORGANISM: Artificial Sequence
16 FEATURE:
17 OTHER INFORMATION: scFv protein NG2251
18 US-11-090-847-148

```

Query Match	85.4%;	Score 1110.5;	DB 6;	Length 253;
Best Local Similarity	86.2%;	Pred. No. 8e-68;		
Matches 218;	Conservative 13;	Mismatches 15;	Indels 7;	Gaps 3;

[illegible]

```

RESULT 14
US-11-017-030-4
; Sequence 4, Application US/11017030
; Publication No. US20050158313A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Antibodies that Specifically Bind to Reg IV
; FILE REFERENCE: PF592PCT
; CURRENT APPLICATION NUMBER: US/11/017,030
; CURRENT FILING DATE: 2004-12-31
; PRIOR APPLICATION NUMBER: PCT/US03/19908
; PRIOR FILING DATE: 2003-06-26
; PRIOR APPLICATION NUMBER: 60/392,382
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 248
; TYPE: PRt
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: scFv protein RGB0104
US-11-017-030-4

```

Query Match	85.2%	Score 1108	DB 6	Length 248
Best Local Similarity	87.5%	Pred. No. 1.2e-67		
Matches 217	Conservative 8	Mismatches 21	Indels 2	Gaps 2

Db	1	EVGLLESGGDDIVQPGGSLRLSCAASGCTFSSYIAHSWVRQAPGKLEWVASISGGGSGTYY	60
QY	61	ADSVKRRFTITSRDNGKNTLITLQMNLSLRADPTAVVYCAKMTSNAPAPYWGQGLTLYVSSG	120
Db	61	ADSVKRRFTITSRDNGKNTLITLQMNLSLRADPTAVVYCAKEDPMRTQLDSKRGGLTLYVSSG	120
QY	121	GGSGGGGSGGGGSGS-OSSLTOPPSVSGAPGQGRVTITSGTSSSNTGAGGYHWITQQLPRTA	179
Db	121	GGSGGGGSGGGGSGSASVLTPTOPPSVSGAPGQGRVTITSGTSSSNTGADYDVHWQHPGRTA	180
QY	180	PKLLIYGNTRNRPBGVDPDRFGFGSGTSSLAITIGLQAEADADYYCQFYDSSLGSM-VFGG	238
Db	181	PRLLIYDNTNRPEGVDPDRFGSGSGTSSLAITITIGLQAEADADYYCQSYDSSLGYYVFGG	240
QY	239	GTRKLTVLGG	246
Db	241	GTRKLTVLGG	248

```

US-10 RESULT 15
US-10-688-925-8
; Sequence 8, Application US/10688925
; Publication NO. US20040142382A1
; GENERAL INFORMATION:
; APPLICANT: Veldman, Geertruida et al.
; TITLE OF INVENTION: NEUTRALIZING ANTIBODIES
; FILE REFERENCE: 08702.0020-0000
; CURRENT APPLICATION NUMBER: US/10/688,925
; CURRENT FILING DATE: 2003-10-21
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 258
; TYPE: prt
; ORGANISM: Homo sapiens
US-10-688-925-8

```

Query Match	84.3%	Score 1096.5	DB 4	length 258
Best Local Similarity	84.7%	Pred. No. 7.3e-67		
Matches 211, Conservative	12	Mismatches 23	Indels 3	Gaps 2

[illegible]

Search completed: March 17, 2006, 11:12:55
Job time : 112.406 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2006, 11:09:21 ; Search time 14.6189 Seconds
(without alignments)
481.654 Million cell updates/sec

Title: US-09-250-056b-1
Perfect score: 1300
Sequence: 1 QVLTVESGGLVPGSGSLRL.....YDSLSGWVFGGKTLVGLG 246

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 169630 seqs, 28622889 residues

Total number of hits satisfying chosen parameters: 169630

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA New.*
1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB pep.*
2: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB pep.*
3: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB pep.*
4: /cgn2_6/ptodata/1/pubpaa/PCY_NEW_PUB pep.*
5: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB pep.*
6: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB pep.*
7: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB pep.*
8: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB pep.*

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1125.5	86.6	247	US-11-054-515-1892	Sequence 1892, Ap
2	1121.5	86.3	258	US-11-201-825-25	Sequence 25, Ap
3	1113.5	85.7	247	US-11-054-515-1978	Sequence 1978, Ap
4	1096.5	84.3	258	US-11-201-825-8	Sequence 8, Appl
5	1092.5	84.0	247	US-11-054-515-1953	Sequence 1953, Ap
6	1092.5	84.0	252	US-11-054-515-1379	Sequence 1379, Ap
7	1081	83.2	252	US-11-054-515-1362	Sequence 1362, Ap
8	1080	83.1	258	US-11-054-515-1841	Sequence 1841, Ap
9	1076.5	82.8	243	US-11-054-515-1969	Sequence 1969, Ap
10	1075.5	82.8	310	US-11-245-053-11	Sequence 11, Appl
11	1069	82.2	252	US-11-054-515-1201	Sequence 1201, Ap
12	1065.5	82.0	262	US-11-201-825-9	Sequence 9, Appl
13	1062	81.7	250	US-11-054-515-1420	Sequence 1420, Ap
14	1048	80.6	250	US-11-054-515-1461	Sequence 1461, Ap
15	1044	80.3	248	US-11-054-515-1890	Sequence 1890, Ap
16	1043	80.2	240	US-11-054-515-1905	Sequence 1905, Ap
17	1039	79.9	240	US-11-054-515-2016	Sequence 2016, Ap
18	1039	79.9	240	US-11-054-515-1458	Sequence 1458, Ap
19	1037	79.8	240	US-11-054-515-2030	Sequence 2030, Ap
20	1037	79.8	240	US-11-054-515-2044	Sequence 2044, Ap
21	1035	79.6	240	US-11-054-515-2025	Sequence 2025, Ap
22	1035	79.6	240	US-11-054-515-2048	Sequence 2048, Ap
23	1035	79.6	240	US-11-054-515-2108	Sequence 2108, Ap
24	1034	79.5	240	US-11-054-515-2105	Sequence 2105, Ap
25	1033	79.5	240	US-11-054-515-2007	Sequence 2007, Ap

26	1032.5	79.4	253	US-11-054-515-858	Sequence 858, Ap
27	1032	79.4	240	US-11-054-515-2045	Sequence 2045, Ap
28	1031	79.3	240	US-11-054-515-2117	Sequence 2117, Ap
29	1028	79.1	240	US-11-054-515-2029	Sequence 2029, Ap
30	1028	79.1	240	US-11-054-515-2113	Sequence 2113, Ap
31	1027.5	79.0	247	US-11-054-515-2092	Sequence 2092, Ap
32	1027	78.9	240	US-11-054-515-2041	Sequence 2041, Ap
33	1026	78.9	256	US-11-054-515-1183	Sequence 1183, Ap
34	1025.5	78.9	251	US-11-054-515-1542	Sequence 1542, Ap
35	1012.5	77.9	239	US-11-054-515-2034	Sequence 2034, Ap
36	1010.5	77.7	245	US-11-054-515-3241	Sequence 3241, Ap
37	1009	77.6	256	US-11-054-515-2119	Sequence 2119, Ap
38	1005	77.3	252	US-11-054-515-988	Sequence 988, Ap
39	1003	77.2	240	US-11-054-515-2047	Sequence 2047, Ap
40	999	76.8	242	US-11-054-515-1949	Sequence 1949, Ap
41	996	76.6	240	US-11-054-515-1930	Sequence 1930, Ap
42	994.5	76.5	249	US-11-054-515-1956	Sequence 1956, Ap
43	994.5	76.5	251	US-11-054-515-1411	Sequence 1411, Ap
44	994	76.5	246	US-11-054-515-1324	Sequence 1324, Ap
45	992.5	76.3	253	US-11-054-515-989	Sequence 989, Ap

ALIGNMENTS

RESULT 1
US-11-054-515-1892
Sequence 1892, Application US/11054515
Publication No. US2005025532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLys
FILE REFERENCE: PFS23P3
CURRENT FILING DATE: 2005-02-10
PRIOR FILING DATE: 2004-02-11
PRIOR FILING DATE: 2004-02-11
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2002-11-14
PRIOR FILING DATE: 2002-11-14
PRIOR FILING DATE: 2001-11-16
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-06-15
PRIOR FILING DATE: 2001-06-15
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2000-10-17
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1892
LENGTH: 247
TYPE: PRT
ORGANISM: Homo sapiens
Query Match 86.6%, Score 1125.5, DB 7, Length 247,
Best Local Similarity 87.4%, Pred. No. 2.5e-72,
Matches 216, Conservative 12, Mismatches 18, Indels 1, Gaps 1,
CQ 1 QVLTVESGGLVPGSGSLRLSCASGFTFRSYAMSWYRQAPGKGLWVSAISGRDNTYY 60
1 QVLTVESGGLVPGSGSLRLSCASGFTFRSYAMSWYRQAPGKGLWVSAISGRDNTYY 60
1 QVLTVESGGLVPGSGSLRLSCASGFTFRSYAMSWYRQAPGKGLWVSAISGRDNTYY 60
61 ADVYGRFTTIRNSKNTLYLQMSLRADPAVYCAKMTSNAPFDYGGCTLVTVSSG 120

```
Db      61 GDSVGRFTISRDNKNTLFLQNSLRADTAFAFYCAKHSVTGAFENMGRTLVTVSSG 120
Qy      121 GGGSGGGSGGGGS-QSVLTQPPSVSGAPGQRTYITCTGSSSNIGAGYVHWYQQLPGTA 179
Db      121 GGGSGGGSGGGGSAGSVLTQPPSVSGAPGQRTYITCTGSSSNIGAGYVHWYQQLPGTA 180
Qy      180 PKLLIYGNTRPSPGVPDRFSGFKSGTASLAITGLQAEADADYYCQFYDSSLGWFVGGG 239
Db      181 PRLIISNTRPSPGVPDRFSGFKSGTASLAITGLQAEADADYYCQFYDSSLGWFVGGG 240
Qy      240 TKLTVLG 246
Db      241 TKTVTLG 247

RESULT 2
US-11-201-825-25
; Sequence 25, Application US/11201825
; Publication No. US20060034831A1
; GENERAL INFORMATION:
; APPLICANT: TOBIN, JAMES F.
; TITLE OF INVENTION: COMBINATION THERAPY FOR DIABETES, OBESITY, AND
; FILE REFERENCE: 08702.0106-00000
; CURRENT APPLICATION NUMBER: US/11/201,825
; PRIOR FILING DATE: 2005-08-11
; PRIOR APPLICATION NUMBER: 60/600,784
; PRIOR FILING DATE: 2004-08-12
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 25
; LENGTH: 258
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-201-825-25

Query Match      86.3%; Score 1121.5; DB 7; Length 258;
Best Local Similarity 86.3%; Pred. No. 4.9e-72;
Matches 215; Conservative 13; Mismatches 18; Indels 3; Gaps 2;

Qy      1 QVQLVESGGGLVPGGSLRLSCAASGFTFSYAMSWVRQAPGKLEWVSATISGRDNTYY 60
Db      1 EVQLVESGGGLVPGGSLRLSCAASGFTFSRYVINWVRQAPGKLEWVSATISVVGSTAY 60
Qy      61 ADSVKGRTISRDNKNTLYLQNNSLRAEDTAVYYCAK--MTSNAPADYWGQGLTVVSSG 118
Db      61 ADSVKGRTISRDNKNTLYLQNNSLRAEDTAVYYCAKQWERGSYTFDWRGGLTVVSS 120
Qy      119 SGGSGGGSGGGSGGGGS-QSVLTQPPSVSGAPGQRTYITCTGSSSNIGAGYVHWYQQLPG 177
Db      121 SGGSGGGSGGGSGGGGSAGSVLTQPPSVSGAPGQRTYITCTGSSSNIGAGYVHWYQQLPG 180
Qy      178 TAPKLLIYGNTRPSPGVPDRFSGFKSGTASLAITGLQAEADADYYCQFYDSSLGWFVGG 237
Db      181 TAPKLLIYGNSHRPSGVPDRFSGFKSGTASLAITGLQAEADADYYCHSYDGSVSGWIFG 240
Qy      238 GGTGLTVLG 246
Db      241 GGTGLTVLG 249

RESULT 3
US-11-054-515-1978
; Sequence 1978, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
; FILE REFERENCE: P523p3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
```

```
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1978
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1978

Query Match      85.7%; Score 1113.5; DB 7; Length 247;
Best Local Similarity 85.8%; Pred. No. 1.7e-71;
Matches 212; Conservative 14; Mismatches 20; Indels 1; Gaps 1;

Qy      1 QVQLVESGGGLVPGGSLRLSCAASGFTFSYAMSWVRQAPGKLEWVSATISGRDNTYY 60
Db      1 EVQLVETGGGLVPGGSLRLSCAASGLTFSSYAMTWVRQAPGKLEWVSATISGAGSNTYH 60
Qy      61 ADSVKGRTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAPADYWGQGLTVVSSG 120
Db      61 ADVKGRFTISRDNKNTLYLQNNSLRADSAVYYCAKQNGNFGYEBYWGQGLTVVSSG 120
Qy      121 GGGSGGGSGGGGS-QSVLTQPPSVSGAPGQRTYITCTGSSSNIGAGYVHWYQQLPGTA 179
Db      121 GGGSGGGSGGGGSAGSVLTQPPSVSGAPGQRTYITCTGSSSNIGAGYVHWYQQLPGTA 180
Qy      180 PKLLIYGNTRPSPGVPDRFSGFKSGTASLAITGLQAEADADYYCQFYDSSLGWFVGGG 239
Db      181 PKLLIFGNRRPSPGVPDRFSGKSATVSASLVITGLQPDDEADYYCQSYDSSLGWFVGGG 240
Qy      240 TKLTVLG 246
Db      241 TKLTVLG 247

RESULT 4
US-11-201-825-8
; Sequence 8, Application US/11201825
; Publication No. US20060034831A1
; GENERAL INFORMATION:
; APPLICANT: TOBIN, JAMES F.
; TITLE OF INVENTION: COMBINATION THERAPY FOR DIABETES, OBESITY, AND
; FILE REFERENCE: 08702.0106-00000
; CURRENT APPLICATION NUMBER: US/11/201,825
; PRIOR FILING DATE: 2005-08-11
; PRIOR APPLICATION NUMBER: 60/600,784
; PRIOR FILING DATE: 2004-08-12
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 8
; LENGTH: 258
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-201-825-8

Query Match      84.3%; Score 1096.5; DB 7; Length 258;
```


Best Local Similarity 84.7%; Pred. No. 2.8e-70;
Matches 211; Conservative 12; Mismatches 23; Indels 3; Gaps 2;

QY 1 QVQLVSGGGLVOPGGSLRLSCAASGFTFRSYAMSWVRQAPKGLEWVSAISGRGNTYY 60
Db 1 QVQLKSGGGGLVOPGGSLRLSCAASGFTFRSYAMSWVRQAPKGLEWVSAISVGGSTAY 60
QY 61 ADSVKGRTTISRDNKNTLYIQMNSLRADPTAVYYCAK--MTSNAFAPDYWGQTLVTVS 118
Db 61 ADSVKGRTTISRDNKNTLYIQMNSLRADPTAVYYCTKQWGERGSGYFDYDGRGTLTVTS 120
QY 119 SGGSGSGGGSGGGSGGS--OSVLTOPPVSAGAPGQRTVITSCGSSSNIGAGYGVHWYQQLPG 177
Db 121 SGGSGSGGGSGGGSGGSAGSVLTOPPVSAGAPGQRTVITSCGSSSNIGAGYGVHWYQQLPG 180
QY 178 TAPKLLIYGNTRPSPGVDPDRFSGFGSGTASLAITGLQAEDEADYYCOFYDSSLGWFVFG 237
Db 181 TAPKLLIYGNTRPSPGVDPDRFSGFGSGTASLAITGLQAEDEADYFCHSYDGSVSGWIFG 240
QY 238 GGTKLTVLG 246
Db 241 GGTKLTVLG 249

RESULT 5

US-11-054-515-1953
Sequence 1953, Application US/11054515
Publication No. US20050255532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OR INVENTION: Antibodies that Immunoselectively Bind Blys
FILE REFERENCE: PFS23P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1953
LENGTH: 247
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-1953

Query Match 84.0%; Score 1092.5; DB 7; Length 247;
Best Local Similarity 85.8%; Pred. No. 5.1e-70;
Matches 212; Conservative 10; Mismatches 24; Indels 1; Gaps 1;

QY 1 QVQLVSGGGLVOPGGSLRLSCAASGFTFRSYAMSWVRQAPKGLEWVSAISGRGNTYY 60
Db 1 QVQLVSGGGLVOPGGSLRLSCAASGFTFRSYAMSWVRQAPKGLEWVSAISVGGSTAY 60
QY 61 ADSVKGRTTISRDNKNTLYIQMNSLRADPTAVYYCAKMTSNAFAPDYWGQTLVTVS 120
Db 61 ADSVKGRTTISRDNKNTLYIQMNSLRADPTAVYYCAKMTSNAFAPDYWGQTLVTVS 120

QY 121 GGGSGGGSGGGSGGS--OSVLTOPPVSAGAPGQRTVITSCGSSSNIGAGYGVHWYQQLPG 179
Db 121 GGGSGGGSGGGSGGSAGSVLTOPPVSAGAPGQRTVITSCGSSSNIGAGYGVHWYQQLPG 180
QY 180 PTLIYGNTRPSPGVDPDRFSGFGSGTASLAITGLQAEDEADYYCOFYDSSLGWFVFG 239
Db 181 PTLIYGNTRPSPGVDPDRFSGFGSGTASLAITGLQAEDEADYCOGYDSSLGWFVFG 240
QY 240 TKTTLVIG 246
Db 241 TKTTLVIG 247

RESULT 6

US-11-054-515-1519
Sequence 1519, Application US/11054515
Publication No. US20050255532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OR INVENTION: Antibodies that Immunoselectively Bind Blys
FILE REFERENCE: PFS23P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1519
LENGTH: 252
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-1519

Query Match 84.0%; Score 1092; DB 7; Length 252;
Best Local Similarity 84.5%; Pred. No. 5.7e-70;
Matches 213; Conservative 9; Mismatches 24; Indels 6; Gaps 2;

QY 1 QVQLVSGGGLVOPGGSLRLSCAASGFTFRSYAMSWVRQAPKGLEWVSAISGRGNTYY 60
Db 1 QVQLVSGGGLVOPGGSLRLSCAASGFTFRSYAMSWVRQAPKGLEWVSAISVGGSTAY 60
QY 61 ADSVKGRTTISRDNKNTLYIQMNSLRADPTAVYYCAK-----MTSNAFAPDYWGQTLV 115
Db 61 ADSVKGRTTISRDNKNTLYIQMNSLRADPTAVYYCAKQYDILITGYGDFDWGGITNV 120
QY 116 TYSGGSGGGSGGGSGGS--OSVLTOPPVSAGAPGQRTVITSCGSSSNIGAGYGVHWYQ 174
Db 121 TYSGGSGGGSGGGSGGSAGSVLTOPPVSAGAPGQRTVITSCGSSSNIGAGYGVHWYQ 180
QY 175 LPTGLPALLIYGNTRPSPGVDPDRFSGFGSGTASLAITGLQAEDEADYYCOFYDSSLG 234
Db 181 LPTGLPALLIYGNTRPSPGVDPDRFSGFGSGTASLAITGLQAEDEADYCOGYDSSLG 240
QY 235 VGGGTKLTVIG 246


```

PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
Residual Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1969
LENGTH 243
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-1969

Query Match
Best Local Similarity 82.8%; Score 1076.5; DB 7; Length 243;
Matches 212; Conservative 5; Mismatches 25; Indels 5; Gaps 2;

QY 1 QVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWVROAPKGLIEWVSAISRGDNTYY 60
DB 1 EVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWVROAPKGLIEWVSAISRGDNTYY 60
QY 61 ADSVKGKFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAFAFDYWGQGLVTVSSG 120
DB 61 ADSVKGKFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAFAFDYWGQGLVTVSSG 120
QY 121 GGGSGGGSGGGSGGSS-QSVLTQPPSVGAPGQRTVITSCGSSSNIGAGYGVHMYOQLPGTA 179
DB 117 GGGSGGGSGGGSGGSS-QSVLTQPPSVGAPGQRTVITSCGSSSNIGAGYGVHMYOQLPGTA 176
QY 180 PKLLIYGNTNRPSPGVDFRFSKGSASLAITGLQAEDEADYYCOFYDSSLSGWFVGGG 239
DB 177 PKLLIYANNRPSGVDFRFSKGSASLAITGLQAEDEADYYCOFYDSSLSGWFVGGG 236
QY 240 KLTIVLG 246
DB 237 KLTIVLG 243

RESULT 10
US-11-245-053-11
Sequence 11, Application US/11245053
Publication No. US20060035334A1
GENERAL INFORMATION:
APPLICANT: Adams, Camilla W.
Ashkenazi, Avi J.
Chuntharapai, Aman
TITLE OF INVENTION: Apo-2 Receptor
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/245,053
FILING DATE: 07-Oct-2005

```

```

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/10/288,917
FILING DATE: 06-Nov-2002
APPLICATION NUMBER: 10/052798
FILING DATE: 02-Nov-2001
APPLICATION NUMBER: 09/079029
FILING DATE: 14-MAY-1998
APPLICATION NUMBER: 60/074119
FILING DATE: 09-FEB-1998
APPLICATION NUMBER: 60/046615
FILING DATE: 15-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: MacSchang, Diana L.
REGISTRATION NUMBER: 35,600
REFERENCE/DOCKET NUMBER: F1101R2D1C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-3416
TELEFAX: 650/952-9881
SEQUENCE CHARACTERISTICS:
INFORMATION FOR SEQ ID NO: 11:
LENGTH: 310 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-11-245-053-11

Query Match
Best Local Similarity 82.7%; Score 1075.5; DB 7; Length 310;
Matches 208; Conservative 11; Mismatches 26; Indels 1; Gaps 1;

QY 1 QVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWVROAPKGLIEWVSAISRGDNTYY 60
DB 40 QVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWVROAPKGLIEWVSAISRGDNTYY 99
QY 61 ADSVKGKFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAFAFDYWGQGLVTVSSG 120
DB 100 ADSVKGKFTISRDNKNTLYLQNNSLRAEDTAVYYCAR-DGGYYMVDVWGKGLTVTVSSG 158
QY 121 GGGSGGGSGGGSGGSS-QSVLTQPPSVGAPGQRTVITSCGSSSNIGAGYGVHMYOQLPGTA 180
DB 121 GGGSGGGSGGGSGGSS-QSVLTQPPSVGAPGQRTVITSCGSSSNIGAGYGVHMYOQLPGTA 179
QY 159 GGGSGGGSGGGSGGSS-QSVLTQPPSVGAPGQRTVITSCGSSSNIGAGYGVHMYOQLPGTA 218
DB 181 KLLIYGNTNRPSPGVDFRFSKGSASLAITGLQAEDEADYYCOFYDSSLSGWFVGGG 240
QY 219 KLLIYDSDNRPSGVDFRFSKGSASLAITGLQAEDEADYYCOFYDSSLSGWFVGGG 278
DB 241 KLTIVLG 246
QY 279 KLTIVLG 284

RESULT 11
US-11-054-515-1201
Sequence 1201, Application US/11054515
Publication No. US2005025532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunoselectively Bind Blys.
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/054,515
FILING DATE: 07-Oct-2005

```

```

; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1201
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1201

```

Query Match 82.2%; Score 1069; DB 7; Length 252;

Best Local Similarity 83.3%; Pred. No. 2,3e-68;

Matches 209; Conservative 10; Mismatches 26; Indels 6; Gaps 2;

```

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWYSAISGRDNTYY 60
   1 QVQLVSGGGLVQPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWYSAISGRDNTYY 60
DB 1 QVQLVSGGGLVQPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWYSAISGRDNTYY 60
QY 61 ADSVKGKFTISRDNKNTLYLQNMNLAEDTAVYYCAK-----MTSNAFADYWGQGLTV 115
   61 ADSVKGKFTISRDNKNTLYLQNMNLAEDTAVYYCAK-----MTSNAFADYWGQGLTV 115
DB 61 ADSVKGKFTISRDNKNTLYLQNMNLAEDTAVYYCAK-----MTSNAFADYWGQGLTV 120
QY 116 TVSSGGGSGGGSGGGSGGGS-OSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHWYQ 174
   116 TVSSGGGSGGGSGGGSGGGS-OSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHWYQ 174
DB 121 TVSSGGGSGGGSGGGSGGGS-OSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHWYQ 180
QY 175 LPTGAPKLLIYGNTRPSPGVDPDRFSGKSGTSASLAITGLQAEADYVYCOFYDSSLG 234
   175 LPTGAPKLLIYGNTRPSPGVDPDRFSGKSGTSASLAITGLQAEADYVYCOFYDSSLG 234
DB 181 LPTGAPKLLIYGNTRPSPGVDPDRFSGKSGTSASLAITGLQAEADYVYCOFYDSSLG 240
QY 235 VFGGSKTLTVL 245
   235 VFGGSKTLTVL 245
DB 241 VFGGSKTLTVL 251

```

RESULT 12

US-11-201-825-9

```

; Sequence 9, Application US/11201825
; Publication No. US20060034831A1
; GENERAL INFORMATION:
; APPLICANT: TOBIN, JAMES F.
; TITLE OF INVENTION: COMBINATION THERAPY FOR DIABETES, OBESITY, AND
; TITLE OF INVENTION: CARDIOVASCULAR DISEASES USING GDF-8 INHIBITORS
; FILE REFERENCE: 08702, 0106-00000
; CURRENT APPLICATION NUMBER: US/11/201,825
; CURRENT FILING DATE: 2005-08-11
; PRIOR APPLICATION NUMBER: 60/600,784
; PRIOR FILING DATE: 2004-08-12
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 9
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-201-825-9

```

Query Match 82.0%; Score 1065.5; DB 7; Length 262;

Best Local Similarity 85.0%; Pred. No. 4.2e-68;

Matches 215; Conservative 7; Mismatches 24; Indels 7; Gaps 4;

```

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWYSAISGRDNTYY 60
   1 QVQLVSGGGLVQPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWYSAISGRDNTYY 60
DB 1 EVQLVSGGGLVQPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWYSAISGRDNTYY 60
QY 61 ADSVKGKFTISRDNKNTLYLQNMNLAEDTAVYYCAK-----TSNAFADYWGQGLTV 115
   61 ADSVKGKFTISRDNKNTLYLQNMNLAEDTAVYYCAK-----TSNAFADYWGQGLTV 115

```

```

DB 61 ADSVKGKFTISRDNKNTLYLQNMNLAEDTAVYYCERNPGCTGSCYVDLTGMGRGLTV 120
   61 ADSVKGKFTISRDNKNTLYLQNMNLAEDTAVYYCERNPGCTGSCYVDLTGMGRGLTV 120
QY 116 TVSSGGGSGGGSGGGSGGGS-OSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHWYQ 174
   116 TVSSGGGSGGGSGGGSGGGS-OSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHWYQ 174
DB 121 TVSSGGGSGGGSGGGSGGGS-OSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHWYQ 180
QY 175 LPTGAPKLLIYGNTRPSPGVDPDRFSGKSGTSASLAITGLQAEADYVYCOFYDSSLG 233
   175 LPTGAPKLLIYGNTRPSPGVDPDRFSGKSGTSASLAITGLQAEADYVYCOFYDSSLG 233
DB 181 LPTGAPKLLIYGNTRPSPGVDPDRFSGKSGTSASLAITGLQAEADYVYCOFYDSSLG 240
QY 234 WFGGSKTLTVL 246
   234 WFGGSKTLTVL 246
DB 241 WFGGSKTLTVL 253

```

RESULT 13

US-11-054-515-1420

```

; Sequence 1420, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunoselectively Bind Blys
; FILE REFERENCE: PFS23P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1420
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1420

```

Query Match 81.7%; Score 1062; DB 7; Length 250;

Best Local Similarity 82.1%; Pred. No. 7.1e-68;

Matches 206; Conservative 15; Mismatches 24; Indels 6; Gaps 2;

```

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWYSAISGRDNTYY 60
   1 QVQLVSGGGLVQPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWYSAISGRDNTYY 60
DB 1 QVQLVSGGGLVQPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWYSAISGRDNTYY 60
QY 61 ADSVKGKFTISRDNKNTLYLQNMNLAEDTAVYYCAK-----MTSNAFADYWGQGLTV 115
   61 ADSVKGKFTISRDNKNTLYLQNMNLAEDTAVYYCAK-----MTSNAFADYWGQGLTV 115
DB 61 ADSVKGKFTISRDNKNTLYLQNMNLAEDTAVYYCAK-----MTSNAFADYWGQGLTV 120
QY 116 TVSSGGGSGGGSGGGSGGGS-OSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHWYQ 175
   116 TVSSGGGSGGGSGGGSGGGS-OSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHWYQ 175
DB 121 TVSSGGGSGGGSGGGSGGGS-OSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHWYQ 179
QY 176 PGTAPKLLIYGNTRPSPGVDPDRFSGKSGTSASLAITGLQAEADYVYCOFYDSSLG 235
   176 PGTAPKLLIYGNTRPSPGVDPDRFSGKSGTSASLAITGLQAEADYVYCOFYDSSLG 235
DB 180 PGTAPKLLIYGNTRPSPGVDPDRFSGKSGTSASLAITGLQAEADYVYCOFYDSSLG 239

```

```
QY 236 FGGGTCLTVLG 246
DB 240 FGGGTCLTVLG 250

RESULT 14
US-11-054-515-1461
; Sequence 1461, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1461
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1461

Query Match 80.6%; Score 1048; DB 7; Length 250;
Best Local Similarity 80.1%; Pred. No. 6.8e-67;
Matches 201; Conservative 19; Mismatches 25; Indels 6; Gaps 2;

QY 1 QVOLVESGGGLVQPGGSLRLSCAASGFTFRSYAMSWVRQAPKGLEWVSAISGRGNTYY 60
DB 1 QVOLVOTGGGVQPGGSLRLSCAASGFTFSYAMSWVRQAPKGLEWVSAISGSGSTYY 60
QY 61 ADSVKGRTISRDNKNTLYLQNNSLRAEDTAVYYCAK-----MTSNAFADYWGQGLTV 115
DB 61 AYSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYYCARDOHDILNGGYGMDVMGKGTWV 120
QY 116 TVSSGGGSGGGSGGGSGGSGSVLTQPPSVGAPGQRTYISCTSSSSNIGAGYGVHWYQQL 175
DB 121 TVSSGGGSGGGSGGGSGGSGSVLTQPPSAGTPGQRTYISCTSSSSNIGSN-TVNWYQRL 179
QY 176 PGTAPKLLIYGNTNRPSPGVDRFSGFKSGTSASIALITGLQAEDEADYYCOFYDSSLGHW 235
DB 180 PGTAPKLLIYGNTNRPSPGVDRFSGFKSGTSASIALITGLQAEDEADYYCAAMDSSLGHW 239
QY 236 FGGGTCLTVLG 246
DB 240 FGGGTCLTVLG 250

RESULT 15
US-11-054-515-1890
; Sequence 1890, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1890
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1890

Query Match 80.3%; Score 1044; DB 7; Length 248;
Best Local Similarity 81.1%; Pred. No. 1.3e-66;
Matches 202; Conservative 16; Mismatches 27; Indels 4; Gaps 2;

QY 1 QVOLVESGGGLVQPGGSLRLSCAASGFTFRSYAMSWVRQAPKGLEWVSAISGRGNTYY 60
DB 1 QVOLVQGGGVQPGGSLRLSCAASGFTFSYAMSWVRQAPKGLEWVAIVSDGSLKY 60
QY 61 ADSVKGRTISRDNKNTLYLQNNSLRAEDTAVYYCAK-----TSNAFADYWGQGLTVY 117
DB 61 ADSVKGRTISRDNKNTLYLQNNSLRAEDTAVYYCARYYHSSGSDAFDIWGQGLTVY 120
QY 118 SSGGGSGGGSGGGSGGSGSVLTQPPSVGAPGQRTYISCTSSSSNIGAGYGVHWYQQLPg 177
DB 121 PGGGGSGGGSGGGSGGSGSVLTQPPSAGTPGQRTYISCTSSSSNIGSN-TVNWYQRLPg 179
QY 178 TAPKLLIYGNTNRPSPGVDRFSGFKSGTSASIALITGLQAEDEADYYCOFYDSSLGHW 237
DB 180 AAPOLLITNNQRPSPGVDRFSGFKSGTSASIALITGLQAEDEADYYCAAMDSSLGHW 239
QY 238 GGTCLTVLG 246
DB 240 GGTCLTVLG 248

Search completed: March 17, 2006, 11:13:30
Job time: 15.6189 secs
```

This Page Blank (uspio)

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2006, 10:53:42 ; Search time 20.332 Seconds
(without alignments)
984.042 Million cell updates/sec

Title: US-09-250-056b-2
Perfect score: 1 QVQLVSGGGLVQPGGSLRL.....QQYNVPLSPFGGTRVEIKR 242

Sequence: 1 QVQLVSGGGLVQPGGSLRL.....QQYNVPLSPFGGTRVEIKR 242

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents, AA.*
1: /cgn2_6/ptodata/1/aa/5.COMB.pep.*
2: /cgn2_6/ptodata/1/aa/6.COMB.pep.*
3: /cgn2_6/ptodata/1/aa/H.COMB.pep.*
4: /cgn2_6/ptodata/1/aa/PCUS.COMB.pep.*
5: /cgn2_6/ptodata/1/aa/RB.COMB.pep.*
6: /cgn2_6/ptodata/1/aa/backfillseq.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1065.5	84.1	288	US-09-818-247-22	Sequence 22, App1
2	1057.5	83.5	245	US-09-138-091A-76	Sequence 76, App1
3	1056.5	83.4	245	US-08-918-148-78	Sequence 78, App1
4	1047	82.6	240	US-09-192-884-2	Sequence 2, App1
5	1040.5	82.1	245	US-08-918-148-73	Sequence 73, App1
6	1040.5	82.1	245	US-09-138-091A-77	Sequence 77, App1
7	1040.5	82.1	245	US-08-918-148-76	Sequence 76, App1
8	1002.5	79.1	245	US-09-138-091A-74	Sequence 74, App1
9	1002.5	79.1	244	US-08-918-148-75	Sequence 75, App1
10	1002	79.1	244	US-09-138-091A-75	Sequence 75, App1
11	1002	79.1	244	US-08-564-164A-2	Sequence 2, App1
12	937.5	74.0	284	US-08-564-164A-2	Sequence 2, App1
13	921	72.7	301	US-08-564-164A-2	Sequence 2, App1
14	921	72.7	301	US-08-188-082-14	Sequence 14, App1
15	921	72.7	301	US-09-188-082-14	Sequence 14, App1
16	921	72.7	301	US-09-188-082-14	Sequence 14, App1
17	921	72.7	301	US-09-188-082-14	Sequence 14, App1
18	921	72.7	301	US-09-188-082-14	Sequence 14, App1
19	921	72.7	301	US-09-188-082-14	Sequence 14, App1
20	921	72.7	301	US-09-188-082-14	Sequence 14, App1
21	921	72.7	301	US-09-188-082-14	Sequence 14, App1
22	914.5	72.2	240	US-08-477-148B-148	Sequence 148, App
23	914.5	72.2	240	US-08-477-148B-148	Sequence 148, App
24	914.5	72.2	240	US-08-477-148B-148	Sequence 148, App
25	914.5	72.2	240	US-08-477-148B-148	Sequence 148, App
26	914.5	72.2	240	US-08-477-148B-148	Sequence 148, App
27	914.5	72.2	240	US-08-477-148B-148	Sequence 148, App

28	912	72.0	248	US-08-887-352B-23	Sequence 23, App1
29	912	72.0	248	US-09-109-207C-23	Sequence 23, App1
30	912	72.0	248	US-09-296-005-23	Sequence 23, App1
31	912	72.0	248	US-09-920-171-23	Sequence 23, App1
32	912	72.0	248	US-09-116-028-23	Sequence 23, App1
33	912	72.0	248	US-10-113-996-23	Sequence 23, App1
34	911	71.9	248	US-08-887-352B-22	Sequence 22, App1
35	911	71.9	248	US-09-109-207C-22	Sequence 22, App1
36	911	71.9	248	US-09-296-005-22	Sequence 22, App1
37	911	71.9	248	US-09-920-171-22	Sequence 22, App1
38	911	71.9	248	US-09-116-028-22	Sequence 22, App1
39	911	71.9	248	US-10-113-996-22	Sequence 22, App1
40	909.5	71.8	281	US-09-025-769B-178	Sequence 178, App
41	909.5	71.8	281	US-09-490-070A-178	Sequence 178, App
42	909.5	71.8	281	US-09-490-153-178	Sequence 178, App
43	909.5	71.8	281	US-09-490-324-178	Sequence 178, App
44	893.5	70.5	282	US-08-860-174A-10	Sequence 10, App1
45	884	69.8	236	US-08-190-199A-65	Sequence 65, App1

ALIGNMENTS

RESULT 1
US-09-818-247-22
Sequence 22, Application US/09818247
Patent No. 685810
GENERAL INFORMATION:
APPLICANT: Moskov, Keith E.
APPLICANT: Chapman, Steven J.
APPLICANT: Richman-Eisenstat, Janice
TITLE OF INVENTION: The Regents of the University of California
TITLE OF INVENTION: Ligands directed to the No. 685810-Secretory Component,
FILE REFERENCE: 180628-000910US
CURRENT FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: US/09/818, 247
PRIOR FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: WO PCT/US01/09699
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,197
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,198
PRIOR FILING DATE: 2000-03-27
NUMBER OF SEQ ID NOS: 26
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 22
LENGTH: 288
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial
OTHER INFORMATION: Sequence: pelb/4AF/myc/6HIS
US-09-818-247-22

Query Match 84.1% Score 1065.5; DB 2; Length 288;
Best Local Similarity 84.8%; Pred. No. 2e-74; 24; Indels 1; Gaps 1;
Matches 206; Conservative 12; Mismatches 24; Indels 1; Gaps 1;

QY	1	QVQLVSGGGLVQPGGSLRLCAASGFTSSVYMGMVQAPKGLGVWSISGSRRIYY 60
DB	23	QVQLVSGGGLVQPGGSLRLCAASGFTSSVYMGMVQAPKGLGVWSISGSRRIYY 82
QY	61	ADSVGRFTISPDNSKNTVYQNSLRADTAVYCAK-MDASGSEYFPMQCGTLTVSS 119
DB	83	ADSVGRFTISPDNSKNTVYQNSLRADTAVYCAK-MDASGSEYFPMQCGTLTVSS 142
QY	120	GGGSGGGSGGGSGGGSEITLTVQSPFASAPVGRITITCRASGIRNYIAVQKPGCAK 179
DB	143	GGGSGGGSGGGSGGGSEITLTVQSPFASAPVGRITITCRASGIRNYIAVQKPGCAK 202
QY	180	LIIYASTIQSGVSRSGSGGSDTDTLITSLQEPDPTVYCCQYNVPLSPFGGTRVE 239
DB	203	LIIYASTIQSGVSRSGSGGSDTDTLITSLQEPDPTVYCCQYNVPLSPFGGTRVE 262

QY 240 IKR 242
|||
Db 263 IKR 265

RESULT 2

US-09-138-091A-76
; Sequence 76, Application US/09138091A
; Patent No. 6737249
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Carter, Paul J.
; APPLICANT: Rendly, Brian M.
; APPLICANT: Gurney, Austin L.
; TITLE OF INVENTION: Agonist Antibodies
; FILE REFERENCE: 9491-013-27
; CURRENT APPLICATION NUMBER: US/09/138,091A
; CURRENT FILING DATE: 1998-08-21
; PRIOR APPLICATION NUMBER: US 60/056,736
; PRIOR FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: single chain antibody (scFv) fragments
; NAME/KEY: VARIANT
; LOCATION: 208
; OTHER INFORMATION: Xaa = Any Amino Acid
US-09-138-091A-76

Query Match 83.5%; Score 1057.5; DB 2; Length 245;
Best Local Similarity 83.1%; Pred. No. 7.1e-74;
Matches 201; Conservative 20; Mismatches 20; Indels 1; Gaps 1;

QY 1 QVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMGWROAPKGKLEWVSSISGSRITY 60
|||
Db 3 QVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMGWROAPKGKLEWVSSISGSRITY 62
|||
QY 61 ADSVKGKFTISRDNKNTLYLQNMNLSRAEDTAVYYCAR-DRSGTGMVWGRGTLVTVSSG 120
|||
Db 63 ADSVKGKFTISRDNKNTLYLQNMNLSRAEDTAVYYCAR-DRSGTGMVWGRGTLVTVSSG 121
|||
QY 121 GGGSGGGSGGGGSETTLTQSPPSFLSAFVGDRIITTCRASPGIRNYLAWYQKPKAPKL 180
|||
Db 122 GGGSGGGSGGGGSDIQMTQSPPTLSASIGDRVITTCRASPGIYHWLAWYQKPKAPKL 181
|||
QY 181 LIYAASTLQSGVPSRFGSGSGDTFTLTISLQPEDPATYYCCQYNSYPLSPFGGTYVEI 240
|||
Db 182 LIYKASLSLGAAPSRSFGSGSGDTFTLTISLQPEDPATYYCCQYNSYPLSPFGGTYLEI 241
|||
QY 241 KR 242
|||
Db 242 KR 243

RESULT 3

US-08-918-148-78
; Sequence 78, Application US/08918148A
; Patent No. 6342220
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia
; APPLICANT: W.
; APPLICANT: Carter, Paul J.
; APPLICANT: Rendly, Brian M.
; APPLICANT: Gurney, Austin L.
; TITLE OF INVENTION: Agonist Antibodies
; FILE REFERENCE: P0979
; CURRENT APPLICATION NUMBER: US/08/918,148A

; CURRENT FILING DATE: 1997-08-25
; NUMBER OF SEQ ID NOS: 79
; SEQ ID NO 78
; LENGTH: 245
; TYPE: PRT
; ORGANISM: artificial
; FEATURE:
; NAME/KEY: unknown
; LOCATION: 208
; OTHER INFORMATION: unknown amino acid
US-08-918-148-78

Query Match 83.4%; Score 1056.5; DB 2; Length 245;
Best Local Similarity 83.1%; Pred. No. 8.4e-74;
Matches 201; Conservative 20; Mismatches 20; Indels 1; Gaps 1;

QY 1 QVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMGWROAPKGKLEWVSSISGSRITY 60
|||
Db 3 QVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMGWROAPKGKLEWVSSISGSRITY 62
|||
QY 61 ADSVKGKFTISRDNKNTLYLQNMNLSRAEDTAVYYCAR-DRSGTGMVWGRGTLVTVSSG 120
|||
Db 63 ADSVKGKFTISRDNKNTLYLQNMNLSRAEDTAVYYCAR-DRSGTGMVWGRGTLVTVSSG 121
|||
QY 121 GGGSGGGSGGGGSETTLTQSPPSFLSAFVGDRIITTCRASPGIRNYLAWYQKPKAPKL 180
|||
Db 122 GGGSGGGSGGGGSKIQMTQSPPTLSASIGDRVITTCRASPGIYHWLAWYQKPKAPKL 181
|||
QY 181 LIYAASTLQSGVPSRFGSGSGDTFTLTISLQPEDPATYYCCQYNSYPLSPFGGTYVEI 240
|||
Db 182 LIYKASLSLGAAPSRSFGSGSGDTFTLTISLQPEDPATYYCCQYNSYPLSPFGGTYLEI 241
|||
QY 241 KR 242
|||
Db 242 KR 243

RESULT 4

US-09-192-854-2
; Sequence 2, Application US/09192854
; Patent No. 6696245
; GENERAL INFORMATION:
; APPLICANT: Winter, Greg
; APPLICANT: Tomlinson, Ian
; TITLE OF INVENTION: Methods for Selecting Functional Peptides
; FILE REFERENCE: 3789/72916
; CURRENT APPLICATION NUMBER: US/09/192,854
; EARLIER FILING DATE: 1998-11-17
; EARLIER APPLICATION NUMBER: 60/066,729
; EARLIER FILING DATE: 1997-11-21
; NUMBER OF SEQ ID NOS: 212
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 240
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-192-854-2

Query Match 82.6%; Score 1047; DB 2; Length 240;
Best Local Similarity 85.2%; Pred. No. 4.4e-73;
Matches 207; Conservative 11; Mismatches 21; Indels 4; Gaps 2;

QY 1 QVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMGWROAPKGKLEWVSSISGSRITY 60
|||
Db 1 EVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMSWROAPKGKLEWVSAISGSGSTY 60
|||
QY 61 ADSVKGKFTISRDNKNTLYLQNMNLSRAEDTAVYYCAR-KADASGYENFWGQGLTVTVSSG 120
|||
Db 61 ADSVKGKFTISRDNKNTLYLQNMNLSRAEDTAVYYCAK---SYGAPDYWGQGLTVTVSSG 117
|||
QY 121 GGGSGGGSGGGGSE-TTLTQSPPSFLSAFVGDRIITTCRASPGIRNYLAWYQKPKAPK 179
|||
Db 118 GGGSGGGSGGGGSDIQMTQSPPSLSASVGDRIITTCRASQSTISSISLAWYQKPKAPK 177
|||

OY	180	LIIIVASTLGGVPSRFGSGGCTDEPTLLISLOPEDPATYYCOQNSYPILSFGGATYE	239
			:
Dd	178	LIIIVASLGGVPSRFGSGGCTDEPTLLISLOPEDPATYYCGQSVPNPNFQGATVE	237
OY	240	IKR	242
Dd	238	IKR	240

```

RESULT 5
US-09-511-939-2
: Sequence 2, Application US/09511939
: Patent No. 6846634
: GENERAL INFORMATION:
: APPLICANT: Tomlinson, Ian M
: TITLE OF INVENTION: Winter, Gregory
: FILE REFERENCE: 8039/1070
: CURRENT APPLICATION NUMBER: US/09/511,939
: PRIOR FILING DATE: 2002-04-10
: PRIOR APPLICATION NUMBER: GB 9722131.1
: PRIOR FILING DATE: 1997-10-20
: PRIOR APPLICATION NUMBER: US 60/065,248
: PRIOR FILING DATE: 1997-11-13
: PRIOR APPLICATION NUMBER: US 60/066,729
: PRIOR FILING DATE: 1997-11-21
: PRIOR APPLICATION NUMBER: PCT/GB98/03135
: PRIOR FILING DATE: 1998-10-20
: NUMBER OF SEQ ID NOS: 350
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 2
: LENGTH: 240
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-09-511-939-2

```

Query Match	82.6%	Score 1047	DB 2	Length 240
Best Local Similarity	85.2%	Pred. No. 4,4e-73		
Matches 207	Conservative 11	Mismatches 21	Indels 4	Gaps 2
QY	1	QVQLVESGGGLVAPPGGSLRLCSAASGFFSSYAMGWRAQPKGLEWYSSISGSRRIYY	60	
DB	1	EVQLVESGGGLVAPPGGSLRLCSAASGFFSSYAMSWRAQPKGLEWYSAISGSGSTYY	60	
QY	61	ADSVKGFRTISRNSKNTLYLQMSLRLAEDPAVYYCAKMDASGFYFNWQGGTLVTVSSG	120	
DB	61	ADSVKGFRTISRNSKNTLYLQMSLRLAEDPAVYYCAK--SYGADPDWQGGTLVTVSSG	117	
QY	121	GGSGSGGGSGSGGGS-ETTLTQSPPSLAFVCDRTITTCASGFINNYLAWQKPKGAPK	179	
DB	118	GGSGSGGGSGSGGSTDIQMTQSPSLASVDRITTCASOSISISYNTWQKPKGAPK	177	
QY	180	LILVAASLTQSGVPSRFSGSGGTFTLTISLQPEDPATYCCQOYNYSPLPSFGSGTKVY	239	
DB	178	LILVAASLTQSGVPSRFSGSGGTFTLTISLQPEDPATYCCQOYSTPPTTQGGTKVY	237	
QY	240	IKR 242		
DB	238	IKR 240		

RESULT 6
US-08-918-148-75
Sequence 75, Application US/08918148A
Patent No. 6342220
GENERAL INFORMATION:
APPLICANT: Adams, Camellia
APPLICANT: W.
APPLICANT: Carter, Paul J.
APPLICANT: Pendly, Brian M.
APPLICANT: Gurney, Austin L.
TITLE OF INVENTION: Agonist Antibodies

? FILE REFERENCE: P0979
 ? CURRENT APPLICATION NUMBER: US/08/918,148
 ? CURRENT FILING DATE: 1997-08-25
 ? CURRENT OF SEQ ID NOS: 79
 ? SEQ ID NO: 75
 ? LENGTH: 245
 ? TYPE: PRN
 ? ORGANISM: artificial
 US-08-918-148-75

```

Query Match      82.1%; Score 1040.5; DB 2; Length 245;
Best Local Similarity 81.0%; Pred. No. 1.4e-72;
Matches 196; Conservative 20; Mismatches 25; Indels 1; Gaps 1

Oy      1  QVLTVESGGGIVDPGGSLRLSCAAGFTFSSYAMGWVRAQPKGLWWSISIGSSRYIYY 60
Db      3  EVQLVDSGGGIVKPGGSLRLSCAAGFTFSDYMSWIRQAPGGLWWSYISISSGRIYY 62

Oy      61  ADSVYGRRTTISRDNSKNITLYLQWNSILRAEDPAVYYCAKMDASGSYENFWGQTLVTVSSG 120
Db      63  ADSVYGRRTTISRDSKNITLYLQWNSILRAEDPAVYYCARWSGEDA-PDIWGQTLVTVSSG 121

Oy      121  GGGSGGGSGGGSGGGSEETTLTQSPSPSLAFAVGDRIITTCRASPGIRNVLAWYQOKPKAKPKL 180
Db      122  GGGSGGGSGGGSGGGSDIYMTQSPSTLSAIVGDRAITCRASBEGIYHVLAWYQOKPKAKPKL 180

Oy      181  LIYAASTQSGVSPRFSFGSGSGTDTLTITSSLOPEDPAVYYCCQVNSYPLSPGGGTXYEI 240
Db      182  LIYKASLSIAGAPSRFSFGSGSGADPTLTITSSLOPEDPAVYYCCQVNSYPLTTCGGTKLIEV 241

Oy      241  KR 242
Db      242  KR 243

RESULT 7
US-09-138-091A-73
; Sequence 73, Application US/09138091A
; Patient No. 6737249
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Carter, Paul J.
; APPLICANT: Reddy, Brian W.
; APPLICANT: Gurney, Austin B.
; TITLE OF INVENTION: Agonist Antibodies
; FILE REFERENCE: 9491-013-27
; CURRENT APPLICATION NUMBER: US/09/138, 091A
; PRIOR FILING DATE: 1998-08-21
; PRIOR APPLICATION NUMBER: US 60/056,736
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FASTSeq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: single chain antibody (scfv) fragments
; US-09-138-091A-73

```

[illegible]

Db 179 KLIIYASSLASGASRPSGSGDTPLTITSLQPPDPATYYCOQVSNYLPFGGTEL 238
QY 239 EIKR 242
Db 239 EIKR 242

RESULT 11
US-09-138-091A-75
Sequence 75, Application US/09138091A
Patent No. 6737249
GENERAL INFORMATION:
APPLICANT: Adams, Camellia W.
APPLICANT: Carter, Paul J.
APPLICANT: Fendly, Brian M.
APPLICANT: Guiney, Austin L.
TITLE OF INVENTION: Agonist Antibodies
FILE REFERENCE: 9491-013-27
CURRENT APPLICATION NUMBER: US/09/138,091A
PRIOR FILING DATE: 1998-08-21
PRIOR APPLICATION NUMBER: US 60/056,736
NUMBER OF SEQ ID NOS: 77
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 75
LENGTH: 244
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE INFORMATION: single chain antibody (scFv) fragments
US-09-138-091A-75

Query Match 79.1%; Score 1002; DB 2; Length 244;
Best Local Similarity 77.9%; Pred. No. 1.3e-69;
Matches 190; Conservative 25; Mismatches 23; Indels 6; Gaps 2;

QY 1 QVQLVSGGGLVQPGSGLRLSCAASGFTFSYAMGWVROAPKGLHWVSISSGSRYYT 60
Db 3 QVQLVSGGGLVQPGSGLRLSCAASGFTFSYAMGWVROAPKGLHWVSISSGSRYYT 62
QY 61 ADVSKRFTISRDNKNTLYLQMNLSLAEDTAVYYCAKMDASGSYFN--WGQGLVTVSS 118
Db 63 ADVSKRFTISRDNKNTLYLQMNLSLAEDTAVYYCAR---GAHYGFDIWGGTIVTVSS 118
QY 119 SGGSGSGGSGSGSSETTLTQSPFLSAFVGRITITCRASPGIRNYLAWYQOKPKAP 178
Db 119 SGGSGSGGSGSGSSETTLTQSPFLSAFVGRITITCRASPGIRNYLAWYQOKPKAP 178
QY 179 KLIIYAATLQSGVPSRPSGSGDTPLTITSLQPPDPATYYCOQVSNYLPFGGTEL 238
Db 179 KLIIYAATLQSGVPSRPSGSGDTPLTITSLQPPDPATYYCOQVSNYLPFGGTEL 238
QY 239 EIKR 242
Db 239 EIKR 242

RESULT 12
US-08-564-164A-2
Sequence 2, Application US/08564164A
Patent No. 6159947
GENERAL INFORMATION:
APPLICANT: Schweighofer, Fabien
APPLICANT: Tocque, Bruno
TITLE OF INVENTION: Intracellular Binding Proteins and Use
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcole Road, 3C43
CITY: Colleegeville
STATE: PA

COUNTRY: USA
ZIP: 19426-0107
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/564,164A
FILING DATE: 28-DEC-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/FR94/00714
FILING DATE: 15-JUN-1994
APPLICATION DATA: FR 93/07241
ATTORNEY/AGENT INFORMATION:
NAME: Savitzky, Martin F.
REGISTRATION NUMBER: 29,699
REFERENCE/DOCKET NUMBER: ST93030-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610)454-3808
FAX: (610)454-3816
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 284 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULAR TYPE: protein
US-08-564-164A-2

Query Match 74.0%; Score 937.5; DB 2; Length 284;
Best Local Similarity 71.2%; Pred. No. 1.4e-64;
Matches 173; Conservative 32; Mismatches 37; Indels 1; Gaps 1;

QY 1 QVQLVSGGGLVQPGSGLRLSCAASGFTFSYAMGWVROAPKGLHWVSISSGSRYYT 60
Db 28 QVQLVSGGGLVQPGSGLRLSCAASGFTFSYAMGWVROAPKGLHWVSISSGSRYYT 87
QY 61 ADVSKRFTISRDNKNTLYLQMNLSLAEDTAVYYCAKMDASGS-YFNFGQGLVTVSS 119
Db 88 ADVSKRFTISRDNKNTLYLQMNLSLAEDTAVYYCARHGGTGTDFPDWGGTIVTVSS 147
QY 120 GGGSGGGSGSGSSETTLTQSPFLSAFVGRITITCRASPGIRNYLAWYQOKPKAP 179
Db 148 GGGSGGGSGSGSSETTLTQSPFLSAFVGRITITCRASPGIRNYLAWYQOKPKAP 207
QY 180 KLIIYAATLQSGVPSRPSGSGDTPLTITSLQPPDPATYYCOQVSNYLPFGGTEL 239
Db 208 KLIIYAATLQSGVPSRPSGSGDTPLTITSLQPPDPATYYCOQVSNYLPFGGTEL 267
QY 240 EIKR 242
Db 268 EIKR 270

RESULT 13
US-08-661-052-14
Sequence 14, Application US/08661052
Patent No. 5837243
GENERAL INFORMATION:
APPLICANT: Yashwant M. Deo
APPLICANT: Joel Goldstein
APPLICANT: Robert Graziano
APPLICANT: Chehian Somasundaram
TITLE OF INVENTION: THERAPEUTIC COMPOUNDS COMPRISED
OF ANTI-FC RECEPTOR ANTIBODIES
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
CITY: Boston

```
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/661,052
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/484,172
FILING DATE: 07-JUNE-1995
ATTORNEY/AGENT INFORMATION:
NAME: Arnold, Beth E.
REGISTRATION NUMBER: 35,430
REFERENCE/DOCKET NUMBER: MXI-043CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 301 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-661-052-14
```

```
Query Match 72.7%; Score 921; DB 1; Length 301;
Best Local Similarity 72.9%; Pred. No. 2,7e-63;
Matches 183; Conservative 20; Mismatches 32; Indels 16; Gaps 4;
```

```
QY 2 VQVESGGGLVQPGGSLRLSCAASGFTFSYAMGWVRAQPKGLEWVSSISGSSRIYYA 61
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
21 IQLVESGGGVQPGGSLRLSCSSSGFIFSDNYVMVWRAQPKGLEWVATISDGSITYYP 80
DB 62 DSVKGRFTISRDNSKNTLYLQMSLRPEDTGVYFCAR----GYRYEGAMDYWGQTPVT 116
81 DSVKGRFTISRDNSKNTLYLQMSLRPEDTGVYFCAR----GYRYEGAMDYWGQTPVT 136
QY 117 VSSGGGGSGGGSGGSETTLTQSPSPSLAFVGDRIITTCRASPGI-----RNYLAWY 170
137 VSSGGGGSGGGSGGSDIQLTQSPSLASVGDVITTCSSQSVLYSSNOKNYLAWY 196
DB 171 QQKRGKAPKLLIYAASLTQSGVPSRPSGSGGTDFTLTISLQPEDATYYCCQYNSYPL 230
197 QQKRGKAPKLLIYASTRESGVPSRPSGSGGTDFTLTISLQPEDATYYCHQYLS-SW 255
QY 231 SFGGGRKVEIK 241
DB 256 TFGQGRKVEIK 266
```

```
RESULT 14
US-09-188-082-14
Sequence 14, Application US/09188082
Patent No. 6270765
GENERAL INFORMATION:
APPLICANT: Yaashwant M. Deo
APPLICANT: Joel Goldstein
APPLICANT: Robert Graziano
APPLICANT: Cherian Somanandaram
TITLE OF INVENTION: THERAPEUTIC COMPOUNDS COMPRISED
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
```

```
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/188,082
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/661,052
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Arnold, Beth E.
REGISTRATION NUMBER: 35,430
REFERENCE/DOCKET NUMBER: MXI-043CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 301 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-188-082-14
```

```
Query Match 72.7%; Score 921; DB 2; Length 301;
Best Local Similarity 72.9%; Pred. No. 2,7e-63;
Matches 183; Conservative 20; Mismatches 32; Indels 16; Gaps 4;
```

```
QY 2 VQVESGGGLVQPGGSLRLSCAASGFTFSYAMGWVRAQPKGLEWVSSISGSSRIYYA 61
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
21 IQLVESGGGVQPGGSLRLSCSSSGFIFSDNYVMVWRAQPKGLEWVATISDGSITYYP 80
DB 62 DSVKGRFTISRDNSKNTLYLQMSLRPEDTGVYFCAR----GYRYEGAMDYWGQTPVT 116
81 DSVKGRFTISRDNSKNTLYLQMSLRPEDTGVYFCAR----GYRYEGAMDYWGQTPVT 136
QY 117 VSSGGGGSGGGSGGSETTLTQSPSPSLAFVGDRIITTCRASPGI-----RNYLAWY 170
137 VSSGGGGSGGGSGGSDIQLTQSPSLASVGDVITTCSSQSVLYSSNOKNYLAWY 196
DB 171 QQKRGKAPKLLIYAASLTQSGVPSRPSGSGGTDFTLTISLQPEDATYYCCQYNSYPL 230
197 QQKRGKAPKLLIYASTRESGVPSRPSGSGGTDFTLTISLQPEDATYYCHQYLS-SW 255
QY 231 SFGGGRKVEIK 241
DB 256 TFGQGRKVEIK 266
```

```
RESULT 15
US-09-364-088-14
Sequence 14, Application US/09364088
Patent No. 6365161
GENERAL INFORMATION:
APPLICANT: Yaashwant M. Deo, et al.
TITLE OF INVENTION: THERAPEUTIC COMPOUNDS COMPRISED
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street, 24th Floor
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
```


This Page Blank (uspto)

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2006, 11:08:22 ; Search time 109.594 Seconds
(without alignments)
922.628 Million cell updates/sec

Title: US-09-250-056b-2

Sequence: 1 QVQLVSGGGLVQPGGSLRL.....QQYNISYPLSGFGGKTKVEIKR 242

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: /cgn2_6/ptodata/1/pubpaa/us07_PUBCOMB.pep.*

2: /cgn2_6/ptodata/1/pubpaa/us08_PUBCOMB.pep.*

3: /cgn2_6/ptodata/1/pubpaa/us09_PUBCOMB.pep.*

4: /cgn2_6/ptodata/1/pubpaa/us10_PUBCOMB.pep.*

5: /cgn2_6/ptodata/1/pubpaa/us10B_PUBCOMB.pep.*

6: /cgn2_6/ptodata/1/pubpaa/us11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1267	100.0	242	5	US-10-855-755-2
2	1084.5	85.6	239	5	US-10-935-290-80
3	1069	84.4	291	4	US-10-406-830-10
4	1065.5	84.1	288	3	US-09-818-247-22
5	1065.5	83.7	288	6	US-11-038-956-22
6	1060.5	83.7	247	3	US-09-880-748-1923
7	1060.5	83.5	239	4	US-10-293-418-1923
8	1058.5	83.5	239	4	US-09-880-748-1923
9	1058.5	83.5	239	4	US-10-293-418-1923
10	1057.5	83.5	245	5	US-10-778-394-76
11	1051.5	83.0	243	6	US-11-017-030-6
12	1050.5	82.9	239	3	US-09-880-748-1882
13	1050.5	82.9	239	4	US-10-293-418-1882
14	1050	82.9	248	4	US-09-880-748-1421
15	1050	82.9	248	4	US-10-293-418-1421
16	1047	82.6	240	3	US-09-868-561A-2
17	1047	82.6	240	3	US-09-868-561A-2
18	1047	82.6	240	3	US-09-868-744A-2
19	1047	82.6	240	3	US-09-868-744A-2
20	1047	82.6	240	6	US-11-744-774-1
21	1047	82.6	240	6	US-11-744-774-1
22	1046	82.6	250	4	US-10-433-847-12
23	1046	82.6	250	4	US-10-433-847-12
24	1044	82.4	240	5	US-10-935-290-98
25	1043.5	82.4	243	3	US-09-880-748-1935
26	1043.5	82.4	243	3	US-10-293-418-1935
27	1041	82.2	249	4	US-10-423-847-16

ALIGNMENTS

RESULT 1	US-10-855-755-2	US-10-831-063-16
Sequence 2, Application US/1085755	Sequence 2, Appl1	Sequence 16, Appl1
Publication No. US2005037339A1	Sequence 80, Appl1	Sequence 15, Appl1
GENERAL INFORMATION:	Sequence 10, Appl1	Sequence 15, Appl1
APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	Sequence 22, Appl1	Sequence 73, Appl1
APPLICANT: Marks, James D	Sequence 22, Appl1	Sequence 1310, Ap
APPLICANT: Boul, Marie A	Sequence 123, Ap	Sequence 110, Ap
FILE REFERENCE: 407J-995011US	Sequence 122, Ap	Sequence 50, Appl1
CURRENT APPLICATION NUMBER: US/10/855,755	Sequence 76, Appl1	Sequence 50, Appl1
PRIOR FILING DATE: 2004-05-26	Sequence 1882, Ap	Sequence 9, Appl1
SEQUENCE ID NO: 2	Sequence 1421, Ap	Sequence 1945, Ap
SOFTWARE: PatentIn version 3.2	Sequence 121, Ap	Sequence 87, Appl1
SEQ ID NO 2	Sequence 2, Appl1	Sequence 82, Appl1
LENGTH: 242	Sequence 2, Appl1	Sequence 67, Appl1
TYPE: PRT	Sequence 2, Appl1	Sequence 2005, Ap
ORGANISM: Artificial	Sequence 2, Appl1	Sequence 1889, Ap
FEATURE:	Sequence 2, Appl1	
OTHER INFORMATION: Human phage display antibody	Sequence 2, Appl1	
NAME/KEY: SITE	Sequence 2, Appl1	
LOCATION: (31)..(35)	Sequence 2, Appl1	
OTHER INFORMATION: VH-CDR1	Sequence 2, Appl1	
FEATURE:	Sequence 2, Appl1	
NAME/KEY: SITE	Sequence 2, Appl1	
LOCATION: (50)..(66)	Sequence 2, Appl1	
OTHER INFORMATION: VH-CDR2	Sequence 2, Appl1	
FEATURE:	Sequence 2, Appl1	
NAME/KEY: SITE	Sequence 2, Appl1	
LOCATION: (99)..(108)	Sequence 2, Appl1	
OTHER INFORMATION: VH-CDR3	Sequence 2, Appl1	
FEATURE:	Sequence 2, Appl1	
NAME/KEY: SITE	Sequence 2, Appl1	
LOCATION: (157)..(167)	Sequence 2, Appl1	
OTHER INFORMATION: VL-CDR1	Sequence 2, Appl1	
FEATURE:	Sequence 2, Appl1	
NAME/KEY: SITE	Sequence 2, Appl1	
LOCATION: (184)..(190)	Sequence 2, Appl1	
OTHER INFORMATION: VL-CDR2	Sequence 2, Appl1	
FEATURE:	Sequence 2, Appl1	
NAME/KEY: SITE	Sequence 2, Appl1	
LOCATION: (223)..(231)	Sequence 2, Appl1	
OTHER INFORMATION: VL-CDR3	Sequence 2, Appl1	
US-10-855-755-2	Sequence 2, Appl1	
Query Match	100.0%	Score 1267, DB 5, Length 242;

Best Local Similarity 100.0%; Pred. No. 8.4e-79;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	61	ADSVKRRFTITSDNKNLTLYIQMNSLRADPTAVVYCAQMDASGFNFNMGGLTYVSSG	120
Db	1	QVQLVDSGGGLVQPGGSLRLSCAASGFTFSYAMGVYQAQKGLIEWVSSISGSRRIYY	60
Qy	121	GGSGGGGGSGGGSEFTLTQSPSPFLSAFVGRITITTCRASPGIRNYLAMYQOKRGKAPKL	180
Db	61	ADSVKRRFTITSDNKNLTLYIQMNSLRADPTAVVYCAQMDASGFNFNMGGLTYVSSG	120
Qy	121	GGSGGGGGSGGGSEFTLTQSPSPFLSAFVGRITITTCRASPGIRNYLAMYQOKRGKAPKL	180
Db	121	GGSGGGGGSGGGSEFTLTQSPSPFLSAFVGRITITTCRASPGIRNYLAMYQOKRGKAPKL	180
Qy	181	LIIAASLTLOSQVPSRRSGSGSGTDFTLTISLQPEDPATYYCQQYNSTPLSFGGGTVEI	240
Db	181	LIIAASLTLOSQVPSRRSGSGSGTDFTLTISLQPEDPATYYCQQYNSTPLSFGGGTVEI	240
Qy	241	KR 242	
Db	241	KR 242	

RESULT 2

```

US-10-935-290-80
Sequence 80, Application US/10935290
Publication No. US20050069542A1
GENERAL INFORMATION:
APPLICANT: Baker et al.
TITLE OF INVENTION: Antibodies that Specifically Bind to GMAD
FILE REFERENCE: PF584P1
CURRENT APPLICATION NUMBER: US/10/935,290
CURRENT FILING DATE: 2004-09-08
PRIOR APPLICATION NUMBER: PCT/US03/09625
PRIOR FILING DATE: 2003-03-28
PRIOR APPLICATION NUMBER: 60/368,813
PRIOR FILING DATE: 2002-04-01
NUMBER OF SEQ ID NOS: 234
SEQ ID NO 80
LENGTH: 239
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: scFv protein GMB655
US-10-935-290-80

```

Query Match	85.6%;	Score 1084.5;	DB 5;	length 239;
Best Local Similarity	85.1%;	Pred. No. 2.3e-66;		
Matches 206;	Conservative 16;	Mismatches 17;	Indels 3;	Gaps 1;

Qy	1	QVQLVESGQGLVQPGGSLRLISCAASGFTFSYAMGVRAQAPKGLEWVSIISGSRRIYY	60
		::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: :::	
Db	1	EVQLVESGGGLVFRPGGSRLISCAASGFTFSYCMQSMIRAPKQGEWVSAISGSGSAYY	60
Qy	61	ADSYKGRFTTISRDNSKNTLYIQLONSIPAEADPAVYYCAKMDASGYSFNFQGGTLVYSSG	120
		::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: :::	
Db	61	ADSYKGRFTTISRDNSKNTLYIQLONSIPAEADPAVYYCAKYSSEDEY---WGRITWTVSSG	110
Qy	121	GGSGGGSGSGGGGSETTLTQSPSFLSAFVGDRTITTCRASPGIRIYRLAMLYOOKPKPKARL	180
		::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: :::	
Db	118	GGSGGGSGSGGGGSNIOMTQSPSFLSAVGDRTITTCRASQGIINNYLAMYQOKPKPRARL	170
Qy	181	LIIYAASLTQSGVPSRFSGSGSGTDFTLTITSSIQPEDPAVYYCOQYNSYPLSFGSGTKVEI	240
		::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: :::	
Db	178	LIIYAASLTQSGVPSRFSGSGSGTDFTLTITSSIQPEDPAVYYCOQYNSYPLRFGGSGTKLEI	230
Qy	241	KR 242	
Db	238	KR 239	

RESULT 3

```

US-10-406-830-10
/ Sequence 10, Application US/10406830
/ Publication No. US20040071696A1
/ GENERAL INFORMATION:
/ APPLICANT: ADAMS, GREGORY P.
/ APPLICANT: HORAK, EVA M.
/ APPLICANT: WEINER, LOUIS M.
/ APPLICANT: JAMES, MARKS D.
/ TITLE OF INVENTION: BISPECIFIC SINGLE CHAIN Fv ANTIBODY MOLECULES AND METHODS OF USE
/ TITLE OF INVENTION: THEROPE
/ FILER REFERENCE: 407T-000410US
/ CURRENT APPLICATION NUMBER: US/10/406,830
/ CURRENT FILING DATE: 2003-04-04
/ PRIOR APPLICATION NUMBER: US 60/370,276
/ PRIOR FILING DATE: 2002-04-05
/ NUMBER OF SEQ ID NOS: 37
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 10
/ LENGTH: 291
/ TYPE: PRT
/ ORGANISM: Artificial
/ FEATURE:
/ OTHER INFORMATION: Synthetic antibody.
US-10-406-830-10

```

Query Match	84.4%;	Score 1069;	DB 4;	length 291;
Best Local Similarity	84.1%;	Pred. No. 3.2e-65;		
Matches 207; Conservative	13;	Mismatches 22;	Indels 4;	Gaps 1;

Qy	1	QVQLVLESGGGLVQPQGSGLRLTSLCAASGFTFSSTYAMGWRAQAPGKGLEWVSTISGSSRYLYY	60
Db	23	QVQLQESGGGVQVQGRSLRLTSLCAASGFTFSSTYAMSWRAQAPGKGLEWVSTISGSSGYTY	82
Qy	61	ADSYKGRFTISRDNASKNTLYIQNNISLRADPTAVYYCAAMDASGS----	YFNWFGGTLVT 116
Db	83	ADSYKGRFTISRDNASKNTLYIQNNISLRADPTALYCAEGYSMMNNNYFDLMGGRTLVY	142
Qy	117	VSSGGGSGGGGSGGGGSETTLTQSPPLSAFVGDPTITTCRASPGIRNYLAWYQAKGEGK	176
Db	143	VSSGGGSGGGGSGGGGSEIYLTQSPPLSLASVGDRTVITTCRASSTISLWNYQAKGEGK	202
Qy	177	APKLLIYAASLTQSGVPSRFSGSGSGDFTLTISLQPEDPATYYCCQYNSTYPLSPFGGCT	236
Db	203	APKLLIYAASLTQSGVPSRFSGSGSGDFTLTISLQPDDEPATYYCCQYNSTYPMTFGGCT	262
Qy	237	KVEIKR 242	
Db	263	KLEIKR 268	

RESULT 4

```

US-09-818-247-22
; Sequence 22, Application US/09818247
; Patent No. US20020102657A1
; GENERAL INFORMATION:
; APPLICANT: Mostov, Keith E.
; APPLICANT: Chapin, Steven J.
; APPLICANT: Richman-Eisenstat, Janice
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Ligands Directed to the No. US20020102657A1-Secretory Component
; TITLE OF INVENTION: No. US20020102657A1-Stalk Region of p18r and Methods of Use Th
; FILE REFERENCE: 18062E-000910US
; CURRENT APPLICATION NUMBER: US/09/818,247
; CURRENT FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: WO PCT/US01/09699
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/192,197
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,198
; PRIOR FILING DATE: 2000-03-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22

```



```

; LENGTH: 288
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial
US-09-818-247-22
; Sequence: pelb/4AF/myc/6HIS

Query Match
Best Local Similarity 84.1%; Score 1065.5; DB 3; Length 288;
Matches 206; Conservative 12; Mismatches 24; Indels 1; Gaps 1;

QY 1 QVQLVDSGGGLVOPGGSLRLSCAASGFTFSYAMGVNQAPKGLIEWVSSISGSSRYIY 60
Db 23 QVQLVDSGGGLVOPGGSLRLSCAASGFTFSYAMGVNQAPKGLIEWVSSISGSSRYIY 82
QY 61 ADVKGRFTISRDNKNTLYIQMNSLRADPTAVYYCAK-MDASGSYFNFMGGTLVTVSS 119
Db 83 ADVKGRFTISRDNKNTLYIQMNSLRADPTAVYYCAKSFVNSGYFQHWGGTLVTVSS 142
QY 120 GGGSGGGSGGGSEETLTQSPFSLAPVGDRIITTCRASGIRNYLAWYQOKPKAPK 179
Db 143 GGGSGGGSGGGSEETLTQSPFSLASIGDRVITTCRASGIRNYLAWYQOKPKAPK 202
QY 180 LLIYAASLTQSGVPSRFSGSGGTDFTLTITSLQPEDPATYCCQYNISYPLSGGGTKVE 239
Db 203 LLIYKASSLASGVPSRFSGSGGTDFTLTITSLQPEDPATYCCQYDSTPTFGGTKVD 262
QY 240 IKR 242
Db 263 IKR 265

RESULT 5
US-11-038-956-22
; Sequence 22; Application US/11038956
; Publication No. US20050201932A1
; GENERAL INFORMATION:
; APPLICANT: Mostov, Keith E.
; APPLICANT: Chapin, Steven J.
; APPLICANT: Richman-Eisenstat, Janice
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Ligands Directed to the Non-Secretory Component,
; FILE REFERENCE: 18062E-000910US
; CURRENT APPLICATION NUMBER: US/11/038,956
; PRIOR FILING DATE: 2005-01-19
; PRIOR APPLICATION NUMBER: US/09/818,247
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: WO PCT/US01/09699
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/192,197
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,198
; PRIOR FILING DATE: 2000-03-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial
US-11-038-956-22
; Sequence: pelb/4AF/myc/6HIS

Query Match
Best Local Similarity 84.1%; Score 1065.5; DB 6; Length 288;
Matches 206; Conservative 12; Mismatches 24; Indels 1; Gaps 1;

QY 1 QVQLVDSGGGLVOPGGSLRLSCAASGFTFSYAMGVNQAPKGLIEWVSSISGSSRYIY 60
Db 23 QVQLVDSGGGLVOPGGSLRLSCAASGFTFSYAMGVNQAPKGLIEWVSSISGSSRYIY 82

```

```

QY 61 ADVKGRFTISRDNKNTLYIQMNSLRADPTAVYYCAK-MDASGSYFNFMGGTLVTVSS 119
Db 83 ADVKGRFTISRDNKNTLYIQMNSLRADPTAVYYCAKSFVNSGYFQHWGGTLVTVSS 142
QY 120 GGGSGGGSGGGSEETLTQSPFSLAPVGDRIITTCRASGIRNYLAWYQOKPKAPK 179
Db 143 GGGSGGGSGGGSEETLTQSPFSLASIGDRVITTCRASGIRNYLAWYQOKPKAPK 202
QY 180 LLIYAASLTQSGVPSRFSGSGGTDFTLTITSLQPEDPATYCCQYNISYPLSGGGTKVE 239
Db 203 LLIYKASSLASGVPSRFSGSGGTDFTLTITSLQPEDPATYCCQYDSTPTFGGTKVD 262
QY 240 IKR 242
Db 263 IKR 265

RESULT 6
US-09-880-748-1923
; Sequence 1923; Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruden et al.
; TITLE OF INVENTION: Antibodies that Immunoselectively Bind Blyx
; FILE REFERENCE: PPS23
; CURRENT APPLICATION NUMBER: US/09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1923
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1923

Query Match
Best Local Similarity 83.7%; Score 1060.5; DB 3; Length 247;
Matches 203; Conservative 20; Mismatches 19; Indels 5; Gaps 2;

QY 1 QVQLVDSGGGLVOPGGSLRLSCAASGFTFSYAMGVNQAPKGLIEWVSSISGSSRYIY 60
Db 1 EVQLVDSGGGLVOPGGSLRLSCAASGFTFSYAMGVNQAPKGLIEWVSSISGSSRYIY 60
QY 61 ADVKGRFTISRDNKNTLYIQMNSLRADPTAVYYCAKMDA--SGS--YFNFMGGTLV 115
Db 61 ADVKGRFTISRDNKNTLYIQMNSLRADPTAVYYCAKGNPRSGSLVYFDYGRRTMV 120
QY 116 TVSSGGGSGGGSEETLTQSPFSLAPVGDRIITTCRASGIRNYLAWYQOKPKG 175
Db 121 TVSSGGGSGGGSEETLTQSPFSLASIGDRVITTCRASGIRNYLAWYQOKPKG 180
QY 176 KAPTLIYAASLTQSGVPSRFSGSGGTDFTLTITSLQPEDPATYCCQYNISYPLSGGG 235
Db 181 KAPTLIYAASLTQSGVPSRFSGSGGTDFTLTITSLQPEDPATYCCQYNISYPLSGGG 240
QY 236 TKVEIKR 242
Db 241 TKVEIKR 247

RESULT 7
US-10-293-418-1923

```



```

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVRQAPGKGLEWVSISGSSRYYY 60
DB 1 EVQLVETGGGLVQPGGSLRLSCAASGFTFSYAMGWVRQAPGKGLEWVSISGSSRYYY 60
QY 61 ADVSKRFTTISDNKNTLYIQMNSLAEDTAVYYCAKMDASGSYFNWGQGLVTYSSG 120
DB 61 ADVSKRFTTISDNKNTLYIQMNSLAEDTAVYYCAKMDASGSYFNWGQGLVTYSSG 117
QY 121 GGGSGGGGGGGGSETTLTQSPSFLSAFVGDRTITTCRASPGIRNYLAWYQOKPKAPKL 180
DB 121 GGGSGGGGGGGGSETTLTQSPSFLSAFVGDRTITTCRASPGIRNYLAWYQOKPKAPKL 177
QY 118 GGGSGGGGGGGGSDIQMTQSPSTLSASIDRVYITTCRASBGIVHMLAWYQOKPKAPKL 177
DB 118 GGGSGGGGGGGGSDIQMTQSPSTLSASIDRVYITTCRASBGIVHMLAWYQOKPKAPKL 177
QY 181 LIYAASLTQSGVPSRFSGSGGTDFTLTISLQPEDPATYVCOQYNSYPLSFGGKTVET 240
DB 178 LIYKASLSLGAAPSRFSGSGGTDFTLTISLQPEDPATYVCOQYNSYPLSFGGKTVET 237
QY 241 KR 242
DB 238 KR 239

```

RESULT 10

```

US-10-778-394-76
; Sequence 76, Application US/10778394
; Publication No. US20050208585A1
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia M.
; APPLICANT: Carter, Paul J.
; APPLICANT: Fendly, Brian M.
; APPLICANT: Gurney, Austin L.
; TITLE OF INVENTION: Agonist Antibodies
; FILE REFERENCE: 9491-013-27
; CURRENT APPLICATION NUMBER: US/10/778,394
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US/09/138,091
; PRIOR FILING DATE: 1998-08-21
; PRIOR APPLICATION NUMBER: US 60/056,736
; PRIOR FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: single chain antibody (scFv) fragments
; NAME/KEY: VARIANT
; LOCATION: 208
; OTHER INFORMATION: Xaa = Any Amino Acid
US-10-778-394-76

```

Query Match 83.5%; Score 1057.5; DB 5; Length 245;

Best Local Similarity 83.1%; Pred. No. 16e-64;

Matches 201; Conservative 20; Mismatches 20; Indels 1; Gaps 1;

```

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVRQAPGKGLEWVSISGSSRYYY 60
DB 3 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVRQAPGKGLEWVSISGSSRYYY 62
QY 61 ADVSKRFTTISDNKNTLYIQMNSLAEDTAVYYCAKMDASGSYFNWGQGLVTYSSG 120
DB 63 ADVSKRFTTISDNKNTLYIQMNSLAEDTAVYYCAKMDASGSYFNWGQGLVTYSSG 121
QY 121 GGGSGGGGGGGGSETTLTQSPSFLSAFVGDRTITTCRASPGIRNYLAWYQOKPKAPKL 180
DB 122 GGGSGGGGGGGGSDIQMTQSPSTLSASIDRVYITTCRASBGIVHMLAWYQOKPKAPKL 181
QY 181 LIYAASLTQSGVPSRFSGSGGTDFTLTISLQPEDPATYVCOQYNSYPLSFGGKTVET 240
DB 182 LIYKASLSLGAAPSRFSGSGGTDFTLTISLQPEDPATYVCOQYNSYPLSFGGKTVET 241
QY 241 KR 242

```

```

DB 242 KR 243

```

RESULT 11

```

US-11-017-030-6
; Sequence 6, Application US/11017030
; Publication No. US2005015831A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Antibodies that Specifically Bind to Reg IV
; FILE REFERENCE: PFS92PCT
; CURRENT APPLICATION NUMBER: US/11/017,030
; CURRENT FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: PCT/US03/19908
; PRIOR FILING DATE: 2003-06-26
; PRIOR APPLICATION NUMBER: 60/392,382
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: scFv protein R8B0110
US-11-017-030-6

```

Query Match 83.0%; Score 1051.5; DB 6; Length 243;

Best Local Similarity 83.7%; Pred. No. 4.2e-64;

Matches 205; Conservative 14; Mismatches 21; Indels 5; Gaps 2;

```

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVRQAPGKGLEWVSISGSSRYYY 60
DB 1 EVQLVETGGGLVQPGGSLRLSCAASGFTFSYAMGWVRQAPGKGLEWVSISGSSRYYY 60
QY 61 ADVSKRFTTISDNKNTLYIQMNSLAEDTAVYYCAKMDASGSYFNWGQGLVTY 117
DB 61 ADVSKRFTTISDNKNTLYIQMNSLAEDTAVYYCAKMDASGSYFNWGQGLVTY 118
QY 118 SSGGGGGGGGGGSETTLTQSPSFLSAFVGDRTITTCRASPGIRNYLAWYQOKPKA 177
DB 119 SSGGGGGGGGGGSDIQMTQSPSTLSASIDRVYITTCRASBGIVHMLAWYQOKPKA 178
QY 178 PRLIYAASLTQSGVPSRFSGSGGTDFTLTISLQPEDPATYVCOQYNSYPLSFGGKTV 237
DB 179 PRLIYAASLTQSGVPSRFSGSGGTDFTLTISLQPEDPATYVCOQYNSYPLSFGGKTV 238
QY 238 VEIKR 242
DB 239 LEIKR 243

```

RESULT 12

```

US-09-880-748-1882
; Sequence 1882, Application US/09880748
; Publication No. US2003005937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben, et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Bly5
; FILE REFERENCE: PFS23
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25

```

```

: NUMBER OF SEQ ID NOS: 3239
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 1882
: LENGTH: 239
: TYPE: PRT
: ORGANISM: Homo sapiens
:
US-09-880-748-1882

```

Query Match	82.9%;	Score 1050.5;	DB 3;	Length 239;
Best Local Similarity	81.8%;	Pred. No. 4.8e-64;		
Matches 198;	Conservative 23;	Mismatches 18;	Indels 3;	Gaps 1;

[illegible]

Query Match	82.9%	Score 1050.5	DB 4	Length 239
Best Local Similarity	81.8%	Pred. No. 4	8e-64	
Matches	198	Conservative	23	Mismatches 18; Indels 3; Gaps 1

Oy	1	QVQLVSGGGLVPGGSLRLCAASGFTTSSYAMGMWTRAPKGIEMWSSISGSSRIYY	60
Db	1	QVQLVDSGGGLVPGGSLRLCAASGFTTSSYAMWTRAPKGIEMWVSSISGSSRIYY	60

QY	61	ADSVKRPFTISDNSKNTLYLOMNSLRADPTAVYYCAKMDASGSGYFNFMGQGLVTWVSSG	120
Dd	61	ADSVKRPFTISDNSKNTLYLOMNSLRADPTAVYYCAK---TSGDFPYMRGTLVTWVSSG	117
QY	121	GGSGGGGSGGGSETTYLTOSPFLSAFVGDRITITCRASPGRINNYLAMYQQRKAAPKL	180
Dd	118	GGSGGGGSGGGSDIDMTQSPSTLSAIGRVIITTCASRGIIHMLAMTWQQRKAPKL	177
QY	181	LITYAAATLOSVPNRPSRSGSGSTDPTLLTISLQEPDAFYCCQYNISPLSPFGGTVEI	240
Dd	178	LITYASLASGAPSRPSRSGSGSTDPTLLTISLQPDPAFYCCQYNISNPLTFGGGTVEI	237
QY	241	KR	242
Dd	238	KR	239

QY	1	QVVLVESGGGLVDPGGSLRLSCAASGFTTSSYAMGVRAQAPGKGLIEWVSISSGSRIYY	60
Db	1	EVQLVESGGGLVDPGGSLRLSCAASGFTTSSYAMGVRAQAPGKGLIEWVAIVSYGSNNYY	60
QY	61	ADSYKGRFTISRNSSKNTLYLQMNSLRADDTAVYCAK-----MDAGSYFNMGGCTL	114
Db	61	ADSYKGRFTISRNSSKNTLYLQMNSLRADDTAVYCARAYDYDILTGYSYFEDWKGFTL	120
QY	115	VTVSSGGGSGSGGGSGGGSETLTQSPFSLFAFGDRITITTCRASPGIRNYLAMYQOKP	174
Db	121	VTVSSGGGSGSGGGSGGGSDIOMTQSPFTMASISGDRVITTCRASSEGIYHMLAMYQOKP	180
QY	175	GKAPEKLLIYAASTLQSGVPSRFSGSGSGTDFTLTLSLQPEDFATYYCQQYNISYPLSGG	23
Db	181	GKAPEKLLIYAASSLASGAPSRFSGSGSGTDFTLTLSLQPEDFATYYCQQYSNYPPLSGG	240
QY	235	GTKVEIKR	242
Db	241	GTKLEIKR	248

Query Match 82.9%; Score 1050; DB 3 Length 248;
 Best Local Similarity 80.6%; Pred. No. 5 4e-64;
 Matches 200; Conservative 20; Mismatches 22; Indels 6; Gaps 1

RESULT 15
 US-10-293-418-1421

```
/ Sequence 1421, Application US/10293418
/ Publication No. US20030223996A1
/ GENERAL INFORMATION:
/ APPLICANT: Ruben et al.
/ TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
/ FILE REFERENCE: PF523P2
/ CURRENT APPLICATION NUMBER: US/10/293,418
/ CURRENT FILING DATE: 2002-11-27
/ PRIOR APPLICATION NUMBER: 60/331,469
/ PRIOR FILING DATE: 2001-11-16
/ PRIOR APPLICATION NUMBER: 60/340,817
/ PRIOR FILING DATE: 2001-12-19
/ PRIOR APPLICATION NUMBER: 09/880,748
/ PRIOR FILING DATE: 2001-06-15
/ PRIOR APPLICATION NUMBER: 60/293,499
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: 60/277,379
/ PRIOR FILING DATE: 2001-03-21
/ PRIOR APPLICATION NUMBER: 60/276,248
/ PRIOR FILING DATE: 2001-03-16
/ PRIOR APPLICATION NUMBER: 60/240,816
/ PRIOR FILING DATE: 2000-10-17
/ PRIOR APPLICATION NUMBER: 60/212,210
/ PRIOR FILING DATE: 2000-06-16
/ NUMBER OF SEQ ID NOS: 3247
/ SEQ ID NO 1421
/ LENGTH: 248
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-293-418-1421

Query Match      82.9%; Score 1050; DB 4; Length 248;
Best Local Similarity 80.6%; Pred. No. 5,4e-64;
Matches 200; Conservative 20; Mismatches 22; Indels 6; Gaps 1;

QY      1 QVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMGWVROAPGKGLEWVSSISGSSRYYY 60
      :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 EVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMHWVROAPGKGLEWVAISYDGSNYY 60
      :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY      61 ADSVKGRTISRDNISNTLYIQMNSLRAEDTAVYYCAK-----MDASGYFNFVQGTLL 114
      :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 ADSVKGRTISRDNISNTLYIQMNSLRAEDTAVYYCARAYDYDILTGYSYFFDYWGKTL 120
      :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY      115 VTVSSGGGGSGGGSGGGSETTLTQSPFLSAFVGDRIITTCRASPGIRNYLAWYQOKP 174
      :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 VTVSSGGGGSGGGSGGGSDIQMTQSPSTMSASISGRVTITCRASBGIVHMLAWYQOKP 180
      :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY      175 GKAPKLITAASTLQSGVPSRFSGSGSGTDFTLTISLQPEDPATYCCQYNSYPLSPFG 234
      :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GKAPKLITKASLSGAPSRFSGSGSDPTLTILISSLPDPAITYCCQYNSYPLSPFG 240
      :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY      235 GTKVEIKR 242
      :|||:|||||
Db      241 GTKVEIKR 248
      :|||:|||||

Search completed: March 17, 2006, 11:12:56
Job time : 110.594 secs
```

This Page Blank (uspto)

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd

OM protein - protein search, using sw model

Run on: March 17, 2006, 11:09:21 ; Search time 14.3811 Seconds
(without alignments)
481.654 Million cell updates/sec

Title: US-09-250-056B-2
Perfect score. 1267

Sequence: 1 QVQLVESGGGLVQPGSLRL...QQYNISPLSFGGTKVEIKR 242

Scoring table:	BLOSUM62	Gapped 10 0	Gapped 0 5
----------------	----------	-------------	------------

Searched: 169630 seqs, 28622889 residues

Total number of hits satisfying chosen parameters: 169630

```
Minimum DB seq length: 0
Maximum DB seq length: 20000000000
```

Post-processing: Minimum Match 0%

```
Database : Published_AAs_AA_New:*
1 : /cgn2_6/pdata/1/pubpaa/US08_NEW_PUB pep:
2 : /cgn2_6/pdata/1/pubpaa/US06_NEW_PUB pep:
3 : /cgn2_6/pdata/1/pubpaa/US04_NEW_PUB pep:
4 : /cgn2_6/pdata/1/pubpaa/US02_NEW_PUB pep:
5 : /cgn2_6/pdata/1/pubpaa/US00_NEW_PUB pep:
6 : /cgn2_6/pdata/1/pubpaa/US10_NEW_PUB pep:
7 : /cgn2_6/pdata/1/pubpaa/US11_NEW_PUB pep:
8 : /cgn2_6/pdata/1/pubpaa/US00_NEW_PUB pep:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
1	1060.5	83.7	247	7	US-11-054-515-1923	Sequence 193, At Sequence 1922, At Sequence 1862, At Sequence 1421, At Sequence 219, At Sequence 1, At Sequence 1935, At Sequence 1945, At Sequence 1945, At Sequence 82, At Sequence 2005, At Sequence 1889, At Sequence 1901, At Sequence 1177, At Sequence 2114, At Sequence 164, At Sequence 2070, At Sequence 280, At Sequence 2057, At Sequence 2115, At Sequence 2118, At Sequence 10, At
2	1058.5	83.5	239	7	US-11-054-515-1822	
3	1050.5	82.9	239	7	US-11-054-515-1862	
4	1030	82.5	248	7	US-11-054-515-1421	
5	1047	82.6	240	6	US-10-925-1664-219	
6	1046	82.6	264	7	US-11-176-125-1	
7	1043.5	82.4	243	7	US-11-054-515-1935	
8	1040.5	82.1	251	7	US-11-054-515-1310	
9	1033.5	81.6	243	7	US-11-054-515-1945	
10	1031	81.4	244	7	US-11-054-515-82	
11	1029.5	81.3	237	7	US-11-054-515-2005	
12	1029.5	81.3	241	7	US-11-054-515-1889	
13	1029.5	81.3	241	7	US-11-054-515-1901	
14	1029.5	81.3	247	7	US-11-054-515-1177	
15	1027.5	81.1	237	7	US-11-054-515-2114	
16	1027	81.1	244	7	US-11-054-515-164	
17	1026.5	81.0	237	7	US-11-054-515-2020	
18	1026.5	81.0	237	7	US-11-054-515-2027	
19	1026.5	81.0	244	7	US-11-054-515-280	
20	1025.5	80.9	237	7	US-11-054-515-2003	
21	1025.5	80.9	237	7	US-11-054-515-2017	
22	1025.5	80.9	237	7	US-11-054-515-2110	
23	1025.5	80.9	237	7	US-11-054-515-2115	
24	1025.5	80.9	237	7	US-11-054-515-2118	
25	1025.5	80.9	237	7	US-11-056-825-10	

ALIGNMENTS

26	1024.5	80.9	23.7	US-11-05-515-1906	Sequence 1106, Ap
27	1024.5	80.9	23.7	US-11-05-515-2104	Sequence 2104, Ap
28	1024.5	80.8	24.1	US-11-05-515-1887	Sequence 1887, Ap
29	1023.5	80.8	23.7	US-11-05-515-2019	Sequence 2019, Ap
30	1023.5	80.8	23.7	US-11-05-515-2028	Sequence 2028, Ap
31	1023.5	80.8	23.7	US-11-05-515-2040	Sequence 2040, Ap
32	1023.5	80.8	23.7	US-11-05-515-2111	Sequence 2111, Ap
33	1023	80.7	24.4	US-11-05-515-261	Sequence 261, App
34	1022	80.7	24.8	US-11-05-515-1876	Sequence 1876, Ap
35	1018.5	80.4	23.7	US-11-05-515-2043	Sequence 2043, Ap
36	1016.5	80.2	24.5	US-10-900-546-13	Sequence 13, Appl
37	1008	79.6	36.3	US-10-900-546-335	Sequence 335, Appl
38	1007.5	79.5	25.1	US-11-05-515-1922	Sequence 1920, Ap
39	1005.5	79.4	25.1	US-11-05-515-1350	Sequence 1320, Ap
40	1001.5	79.0	24.1	US-11-05-515-1932	Sequence 2032, Ap
41	993.5	78.9	24.1	US-11-05-515-2034	Sequence 2034, Ap
42	992	78.1	24.8	US-11-05-515-2093	Sequence 2093, Ap
43	982.5	78.1	23.8	US-11-05-515-212	Sequence 2054, Ap
44	981.5	77.9	24.3	US-11-05-515-1883	Sequence 1883, Ap

```

RESULT 1
US-11-054-515-1923
Sequence 1923, Application US/11054515
Publication No. US2005025532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Buys
FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
PRIORITY FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
Remaining prior Application data removed - See file Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO: 1923
LENGTH: 247
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-1923

Query Match      83.7%; Score 1060.5; DB 7; Length 247;
Best Local Similarity 82.2%; Pred. No. 1e-73;
Matches 203; Conservative 20; Mismatches 19; Indels 5; Gaps 2

1  QVQLVESGGGLVPGGSLRLSCAASGFTFSFSGYWGCVRAQPKGLRWSSISGSRRIYY 60
1  EQVLVGGGGLVPGGSLRLSCAASGFTFSFSSYMWVRQAPKGLRWSSISGSGSTYY 60
61  ADVYKGRFTISRDNSKNTLYIOMNLSRAEDTAVYYCAKADA--SGS--YFNPWGQGLV 115

```

```

Db      61 ADSVKGFTISRDNKNTLYLQNMNSLRADPTAVYCAKAGNDRSGSLVFDYWGRTWV 120
QY      116 TVSSGGGGGGGGGGGGGGTTLTQSPFLSAFVGRDITTCRASPGIRNYLAWYQKPG 175
Db      121 TVSSGGGGGGGGGGGGGGSDIQMTQSPSTLSASIGDVTTCRASEGIRHRLAWYQKPG 180
QY      176 KAKFLIYAASLTQSGVPSRFGSGSGTDTLTITSSLOPEDPATYVYCOQYNSYPLSPGCG 235
Db      181 KAKFLIYKASSLASGAPSRFSGSGSDTDTLTITSSLOPPDPATYVYCOQYNSYPLTPGCG 240
QY      236 TKVEIKR 242
Db      241 TKLTIKR 247

```

RESULT 2

```

US-11-054-515-1922
; Sequence 1922, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1922
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1922

```

Query Match 83.5%; Score 1058.5; DB 7; Length 239;
 Best Local Similarity 83.5%; Pred. No. 1.4e-73;
 Matches 202; Conservative 18; Mismatches 19; Indels 3; Gaps 1;

```

QY      1 QVQVLSGGGLVOPGSGSLRLSCAAGFTFSYAMGWVROAPGKLEWVSISGSSRTIYY 60
Db      1 EVQVLTGTGGGLVOPGSGSLRLSCAAGFTFSYAMSWVROAPGKLEWVSISGSGSTYY 60
QY      61 ADSVKGFTISRDNKNTLYLQNMNSLRADPTAVYCAKMDASGYFNFMGQTLVTVSSG 120
Db      61 ADSVKGFTISRDNKNTLYLQNMNSLRADPTAVYCAK---GMRGVDMWGRGTLVTVSSG 117
QY      121 GGGSGGGGGGGGGGGGGTTLTQSPFLSAFVGRDITTCRASPGIRNYLAWYQKPGAKPL 180
Db      118 GGGSGGGGGGGGGGGGGSDIQMTQSPSTLSASIGDVTTCRASEGIRHRLAWYQKPGAKPL 177
QY      181 LIYAASLTQSGVPSRFGSGSGTDTLTITSSLOPEDPATYVYCOQYNSYPLSPGCGTKVEI 240
Db      178 LIYAASLTASGAPSRFSGSGSDTDTLTITSSLOPPDPATYVYCOQYNSYPLTPGCGTKLEI 237

```

```

QY      241 KR 242
Db      238 KR 239

```

RESULT 3

```

US-11-054-515-1882
; Sequence 1882, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1882
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1882

```

Query Match 82.9%; Score 1050.5; DB 7; Length 239;
 Best Local Similarity 81.8%; Pred. No. 5.6e-73;
 Matches 198; Conservative 23; Mismatches 18; Indels 3; Gaps 1;

```

QY      1 QVQVLSGGGLVOPGSGSLRLSCAAGFTFSYAMGWVROAPGKLEWVSISGSSRTIYY 60
Db      1 QVQVLSGGGLVOPGSGSLRLSCAAGFTFSYAMWVROAPGKLEWVAVVSSDGGNKYY 60
QY      61 ADSVKGFTISRDNKNTLYLQNMNSLRADPTAVYCAKMDASGYFNFMGQTLVTVSSG 120
Db      61 ADSVKGFTISRDNKNTLYLQNMNSLRADPTAVYCAK---TSGFDYMGRTLVTVSSG 117
QY      121 GGGSGGGGGGGGGGGGGTTLTQSPFLSAFVGRDITTCRASPGIRNYLAWYQKPGAKPL 180
Db      118 GGGSGGGGGGGGGGGGGSDIQMTQSPSTLSASIGDVTTCRASEGIRHRLAWYQKPGAKPL 177
QY      181 LIYAASLTQSGVPSRFGSGSGTDTLTITSSLOPEDPATYVYCOQYNSYPLSPGCGTKVEI 240
Db      178 LIYAASLTASGAPSRFSGSGSDTDTLTITSSLOPPDPATYVYCOQYNSYPLTPGCGTKLEI 237
QY      241 KR 242
Db      238 KR 239

```

RESULT 4

```

US-11-054-515-1421
; Sequence 1421, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:

```



```
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Bvys
FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See file Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-1421

Query Match
Best Local Similarity 82.9%; Score 1050; DB 7; Length 248;
Matches 200; Conservative 20; Mismatches 22; Indels 6; Gaps 1;

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVRAQPKGLEWVSSISGSSRYYY 60
DB 1 EVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVRAQPKGLEWVAIVSYGSKYY 60
QY 61 ADSVGRFTISRDNKNTLYLQMNSLRAEDTAVYYCAK-----MDASGYFNFMGQGL 114
DB 61 ADSVGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARAVDYDILTGYSYFDYWGKGL 120
QY 115 VVYSSGGGGGGGGGGSEFTLTQSPFSLAFVGDRIITTCRASPGIRNYLAWYQOKP 174
DB 121 VVYSSGGGGGGGGGGSDIQTQSPSTMSASIGDRVITTCRASBGIVHMLAWYQOKP 180
QY 175 GKAPKLLIYAASTLQSGVPSRPSGSGGTDFTLTISLQPEDPATYYCCQVNSYPLSPFG 234
DB 181 GKAPKLLIYKASLSAGAPSRPSGSGGTDFTLTISLQPEDPATYYCCQVNSYPLSPFG 240
QY 235 GTVVEIKR 242
DB 241 GTVVEIKR 248

RESULT 5
US-10-925-366A-219
Sequence 219, Application US/10925366A
Publication No. US2005027163A1
GENERAL INFORMATION:
APPLICANT: Ignatovich, Olga
APPLICANT: Demilde, Rudolph M.T.
APPLICANT: Benjamin, Woolven
APPLICANT: Grant, Steven
APPLICANT: Jones, Phillip
APPLICANT: Basran, Amitk
APPLICANT: Brewis, Neil
TITLE OF INVENTION: Compositions and Methods for Treating Inflammatory Disorders
FILE REFERENCE: 8039/2105
CURRENT APPLICATION NUMBER: US/10/925,366A
```

```
CURRENT FILING DATE: 2004-08-24
PRIOR APPLICATION NUMBER: US 10/744,774
PRIOR FILING DATE: 2003-12-23
PRIOR APPLICATION NUMBER: PCT/GB2003/002804
PRIOR FILING DATE: 2003-06-30
PRIOR APPLICATION NUMBER: PCT/GB2002/03014
PRIOR FILING DATE: 2002-06-28
PRIOR APPLICATION NUMBER: GB 0230202.4
PRIOR FILING DATE: 2002-12-27
PRIOR APPLICATION NUMBER: GB 115841.9
PRIOR FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: PCT/GB2004/002829
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: US 60/535,076
PRIOR FILING DATE: 2004-01-08
PRIOR APPLICATION NUMBER: PCT/GB2003/005646
PRIOR FILING DATE: 2003-12-24
PRIOR APPLICATION NUMBER: GB 0327706.8
PRIOR FILING DATE: 2003-11-28
PRIOR APPLICATION NUMBER: US 60/509,613
PRIOR FILING DATE: 2003-10-08
NUMBER OF SEQ ID NOS: 368
SOFTWARE: PatentIn version 3.3
SEQ ID NO: 219
LENGTH: 240
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Antibody Sequence, VH and VL joined by GlycSer Linker
US-10-925-366A-219

Query Match
Best Local Similarity 82.6%; Score 1047; DB 6; Length 240;
Matches 207; Conservative 11; Mismatches 21; Indels 4; Gaps 2;

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVRAQPKGLEWVSSISGSSRYYY 60
DB 1 EVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVRAQPKGLEWVAIVSYGSKYY 60
QY 61 ADSVGRFTISRDNKNTLYLQMNSLRAEDTAVYYCAKMDASGYFNFMGQGLVTVSSG 120
DB 61 ADSVGRFTISRDNKNTLYLQMNSLRAEDTAVYYCAK-----SYGAFPYWGQGLVTVSSG 117
QY 121 GGGSGGGGGGGGGS-FTLTQSPFSLAFVGDRIITTCRASPGIRNYLAWYQOKP 179
DB 118 GGGSGGGGGGGGSDIQTQSPSTMSASIGDRVITTCRASBGIVHMLAWYQOKP 177
QY 180 LIIYAASTLQSGVPSRPSGSGGTDFTLTISLQPEDPATYYCCQVNSYPLSPFGG 239
DB 178 LIIYAASTLQSGVPSRPSGSGGTDFTLTISLQPEDPATYYCCQVNSYPLSPFG 237
QY 240 IKR 242
DB 238 IKR 240

RESULT 6
US-11-176-525-1
Sequence 1, Application US/11176525
Publication No. US20060024308A1
GENERAL INFORMATION:
APPLICANT: Crea, Roberto
APPLICANT: Rajpal, Arvind
APPLICANT: Takeuchi, Toshi
APPLICANT: Cappuccilli, Guido
APPLICANT: Jones, Jennifer
TITLE OF INVENTION: HIGH AFFINITY ANTI-TNF-ALPHA ANTIBODIES AND METHOD
FILE REFERENCE: 43525-8001.US00
CURRENT APPLICATION NUMBER: US/11/176,525
CURRENT FILING DATE: 2005-07-06
PRIOR APPLICATION NUMBER: US 60/586,487
PRIOR FILING DATE: 2004-07-06
NUMBER OF SEQ ID NOS: 87
```

```

; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Recombinant D2E7 scFv antibody
US-11-176-525-1

Query Match      82.4%; Score 1046; DB 7; Length 264;
Best Local Similarity 83.1%; Pred. No. 1.4e-72;
Matches 202; Conservative 18; Mismatches 21; Indels 2; Gaps 1;

QY 1 QVQLVSGGGLVQPGSRLRLSCAASGFTFSYAMGWROAPGKLEWVSSISGSRRIYY 60
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 2 EVQLVSGGGLVQPGSRLRLSCAASGFTFDYAMHWROAPGKLEWVAITMWSGHIDY 61
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 61 ADSVKGFTISRDNKNTLYLQWNSLRAEDTAVYYCAKMD--ASGYEFWGQGLTVTVS 118
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 62 ADSVEGRFTISRDNKNTLYLQWNSLRAEDTAVYYCAKNSYLSAASLDYWGQGLTVTVS 121
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 119 SGGGSGGGSGGGSGGSETTLTQSPFLSAFVGDRIITTCRASPGRINYLAMYQKPGKAP 178
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 122 SGGGSGGGSGGGSGGSDIQMTQSPSSLSASVGDRIITTCRASPGRINYLAMYQKPGKAP 181
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 179 KLLIYASTQSGVSRFSGSGGSDPTLTISIQPEDEPATYYCOQNSYPLSPRGSGTKY 238
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 182 KLLIYASTQSGVSRFSGSGGSDPTLTISIQPEDEPATYYCOQNSYPLSPRGSGTKY 241
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 239 EIK 241
   |||
Db 242 EIK 244

RESULT 7
US-11-054-515-1935
; Sequence 1935, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PENDING FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1935
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1935

Query Match      82.4%; Score 1043.5; DB 7; Length 243;
```

```

Best Local Similarity 82.4%; Pred. No. 1.9e-72;
Matches 202; Conservative 18; Mismatches 20; Indels 5; Gaps 3;

QY 1 QVQLVSGGGLVQPGSRLRLSCAASGFTFSYAMGWROAPGKLEWVSSI--SGSRRI 58
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 QVTLKESGGGLVQPGSRLRLSCAASGFTFSYGMHWROAPGKLEWVAFIWYDGSNK-- 58
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 59 YYADSVKGRFTISRDNKNTLYLQWNSLRAEDTAVYYCAKMDASGSY--ENFWGQGLTVTV 117
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 59 YYADSVKGRFTISRDNKNTLYLQWNSLRAEDTAVYYCAKPYGSSSYAFDINGKGLTVTV 118
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 118 SGGGSGGGSGGGSGGSETTLTQSPFLSAFVGDRIITTCRASPGRINYLAMYQKPGKA 177
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 119 SGGGSGGGSGGGSGGSDIQMTQSPSSLSASIGDRIITTCRASEGIYHLYAMLYQKPGKA 178
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 178 PKLLIYASTQSGVSRFSGSGGSDPTLTISIQPEDEPATYYCOQNSYPLSPRGSGTKY 237
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 179 PKLLIYASTQSGVSRFSGSGGSDPTLTISIQPEDEPATYYCOQNSYPLSPRGSGTKY 238
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 238 VEIKR 242
   |||
Db 239 LEIKR 243

RESULT 8
US-11-054-515-1310
; Sequence 1310, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PENDING FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1310
; LENGTH: 251
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1310

Query Match      82.1%; Score 1040.5; DB 7; Length 251;
Best Local Similarity 82.1%; Pred. No. 3.4e-72;
Matches 206; Conservative 9; Mismatches 27; Indels 9; Gaps 2;

QY 1 QVQLVSGGGLVQPGSRLRLSCAASGFTFSYAMGWROAPGKLEWVSSISGSRRIYY 60
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 QVTLKESGGGLVQPGSRLRLSCAASGFTFSYAMTWROAPGKLEWVAISSGDSASY 60
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 61 ADSVKGFTISRDNKNTLYLQWNSLRAEDTAVYYCAK---MDASSYF-----NFWGQ 111
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 61 ADSVKGFTISRDNKNTLYLQWNSLRAEDTAVYYCARDPGYDILTGYPHRYGMVDWGR 120
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
```



```

; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 2005
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-2005
```

```

Query Match      81.3%; Score 1029.5; DB 7; Length 237;
Best Local Similarity 82.6%; Pred. No. 2.2e-71;
Matches 200; Conservative 17; Mismatches 20; Indels 5; Gaps 2;
```

```

QY 1 QVQLVESGGGLVPGGSLRLSCAASGFTFSYAMGWROAPKGLEWVSISGSSRYYY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 QVQLVSGGGLVPGGSLRLSCAASGFTFSYENWVRQAPKGLEWVSISGSSRYYY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 ADSVKGRTTISRDNKNTLYLQNNSLRAEDTAVYYCAKMDASGYFNFPGGTLVTVSSG 120
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 ADSVKGRTTISRDNKNTLYLQNNSLRAEDTAVYYCAR-DT-----DYWGQGITLVTVSSG 115
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 121 GGGSGGGSGGGSETTLTQSPFLSAFVGDRTITTCRASPGIRNYLAWYQKRGKAPKL 180
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 116 GGGSGGGSGGGSDIVWTQSPSTLSASVGDRTVITTCRASGQISSWLAWYQKRGKAPKV 175
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 181 LIYAASTLQSGVPSRFSGSGGTFTLTISLQPEDFATYYCOQYNSYPLSPFGGTVVEI 240
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 176 LIYAASTLQSGVPSRFSGSGGTFTLTISLQPEDFATYYCOQSYSPWTFPGGTVLEI 235
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 241 KR 242
   ||
Db 236 KR 237
```

```

RESULT 12
US-11-054-515-1889
; Sequence 1889, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
```

```

; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1889
; LENGTH: 241
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1889
```

```

Query Match      81.3%; Score 1029.5; DB 7; Length 241;
Best Local Similarity 81.0%; Pred. No. 2.2e-71;
Matches 196; Conservative 20; Mismatches 25; Indels 1; Gaps 1;
```

```

QY 1 QVQLVESGGGLVPGGSLRLSCAASGFTFSYAMGWROAPKGLEWVSISGSSRYYY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 QVQLVSGGGLVPGGSLRLSCAASGFTFSYMSWVRQAPKGLEWVSINIKDQSEKKY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 ADSVKGRTTISRDNKNTLYLQNNSLRAEDTAVYYCAKMDASGYFNFPGGTLVTVSSG 120
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 VDSVKGRTTISRDNKNTLYLQNNSLRAEDTAVYYCAR-DNLHAADIDWGRTLVTVSSG 119
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 121 GGGSGGGSGGGSETTLTQSPFLSAFVGDRTITTCRASPGIRNYLAWYQKRGKAPKL 180
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 120 GGGSGGGSGGGSDIVWTQSPSTLSASIGDRTVITTCRASGEGYHWLAWYQKRGKAPKL 179
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 181 LIYAASTLQSGVPSRFSGSGGTFTLTISLQPEDFATYYCOQYNSYPLSPFGGTVVEI 240
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 180 LIYAASTLQSGVPSRFSGSGGTFTLTISLQPEDFATYYCOQYNSYPLSPFGGTVLEI 239
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 241 KR 242
   ||
Db 240 KR 241
```

```

RESULT 13
US-11-054-515-1901
; Sequence 1901, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
```

```

; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1901
; LENGTH: 241
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1901

Query Match
Best Local Similarity 81.3%; Score 1029.5; DB 7; Length 241;
Matches 197; Conservative 20; Mismatches 24; Indels 1; Gaps 1;

QY 1 QVQLVSGGGLVQPGSLRLSCAASGFFPSYAMGWROAPGKLEWVSISGSSRYIY 60
DB 1 EVQLVDSRGVQVPGSLRLSCAASGFFPSYAMGWROAPGKLEWVAVISYGRNKY 60
QY 61 ADSVKGRTISRDNSKNTLYIQMNSLRADPTAVYYCAKMDASGY--FPMGQGT 120
DB 61 ADSVKGRTISRDNSKNTLYIQMNSLRADPTAVYYCAKMTSSGA-FDIWKGITLVYSSG 119
QY 121 GGGSGGGSGGGSEETTLQSPSPSLAPVGDRTITCRASPGIRNYLAHQKPKL 180
DB 120 GGGSGGGSGGGSDIQMTQSPSTLSASIGDRVITTCRASEGIYHMLAWYQKPKL 179
QY 181 LITAASTLQGVPSRPSGSGSDPTLTITSLQPEDPATYYCCQYNSYPLSGGTYEI 240
DB 180 LITKASLWSGASRPSGSGSDPTLTITSLQPEDPATYYCCQYNSYPLTFGGTKLEI 239
QY 241 KR 242
DB 240 KR 241

RESULT 14
US-11-054-515-1177
; Sequence 1177, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunosepecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1177
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Homo sapiens

```

```

US-11-054-515-1177

Query Match
Best Local Similarity 81.3%; Score 1029.5; DB 7; Length 247;
Matches 202; Conservative 18; Mismatches 20; Indels 9; Gaps 4;

QY 1 QVQLVSGGGLVQPGSLRLSCAASGFFPSYAMGWROAPGKLEWVSISGSSRYIY 59
DB 1 EVQLVDSRGVQVPGSLRLSCAASGFFPSYALHWROAPGKLEWVSIVISGGS--TY 58
QY 60 YADVKGRTISRDNSKNTLYIQMNSLRADPTAVYYCAK--MDASGSY---FPMGQGT 113
DB 59 YADVKGRTISRDNSKNTLYIQMNSLRADPTAVYYCARAQDILTYLSCMDVWGKGT 118
QY 114 LTVSSGGGGSGGGSGGSEETTLQSPSPSLAPVGDRTITCRASPGIRNYLAHQK 173
DB 119 LTVSSGGGGSGGGSGGSDIQMTQSPSTLSASIGDRVITTCRASEGIYHMLAWYQK 178
QY 174 PGKAPLILITAASTLQGVPSRPSGSGSDPTLTITSLQPEDPATYYCCQYNSYPLSG 233
DB 179 PGKAPLILITAASTLQGVPSRPSGSGSDPTLTITSLQPEDPATYYCCQYNSYPLTFG 238
QY 234 GGTNYEIR 242
DB 239 GGTNYEIR 247

RESULT 15
US-11-054-515-2114
; Sequence 2114, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunosepecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 2114
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-2114

Query Match
Best Local Similarity 82.2%; Score 1027.5; DB 7; Length 237;
Matches 199; Conservative 18; Mismatches 20; Indels 5; Gaps 2;

QY 1 QVQLVSGGGLVQPGSLRLSCAASGFFPSYAMGWROAPGKLEWVSISGSSRYIY 60
DB 1 EVQLVDSRGVQVPGSLRLSCAASGFFPSYALHWROAPGKLEWVSIVISGGSITLY 60

```

Qy 61 ADSVKRFTISRPNKNTLYLQNNSLRAEDTAVYCAKMDASGYFNFVGGTLYTVSSG 120
| | | | | : | | | | | : | | | | | : | | | | |
Db 61 ADSVKRFTISRDNAKNSLYLQNNSLRAEDTAVYCAR-DT- ---DYMGGTMTVSSG 115
Qy 121 GGGGGGGGGGGSEFTTLTQSPSFLSAFYVDRIITTCRASPGIRNYLAWYQCKPKAKPKL 180
| | | | | : | | | | | : | | | | | : | | | | |
Db 116 GGGGGGGGGGGSDIVMTQSPSTLSASVGDRTVITCRASQGISWLAWYQCKPKRAPKV 175
Qy 181 LIYASTLOSVPSPRSFGSGSGTDFTLTISLQPEDPATYCCQYNSYPLSFGGKTVEI 240
| | | | | : | | | | | : | | | | | : | | | | |
Db 176 LIYKASTLBSGVPSPRSFGSGSGTDFTLTISLQPEDPATYCCQYNSYPLSFGGKTVEI 235
Qy 241 KR 242
| |
Db 236 KR 237

Search completed: March 17, 2006, 11:13:31
Job time : 15.3811 secs